

Individualized Computation f_1



TITLE I

Cover Art
The class of Pat Spencer at La Mesa
School.

Art Staff
ROY LIPSCHUTZ



Editor and General Manager
ROBERT BECK

Art and Production Manager
LIESELOTTE ESSER

©1974, CURRICULUM DEVELOPMENT ASSOCIATES, INC.
Suite 414 • 1211 Connecticut Ave., N.W.
Washington, D.C. 20036

BCDE-B-321098

What Can You See?

¿Qué Puede Usted Ver?

<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	$\begin{array}{r} 26 \\ \times 2 \\ \hline \end{array}$
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	$\begin{array}{r} 24 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ \times 3 \\ \hline \end{array}$
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	$\begin{array}{r} 24 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ \times 5 \\ \hline \end{array}$

2 {	$\begin{array}{c} 13 \\ \hline \square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square \end{array}$	$\begin{array}{c} 15 \\ \hline \square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square \end{array}$	$\begin{array}{c} 17 \\ \hline \square\square\square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square\square\square \end{array}$
	$\begin{array}{r} 13 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ \times 2 \\ \hline \end{array}$
	$2 \overline{) 13}$	$2 \overline{) 15}$	$2 \overline{) 17}$

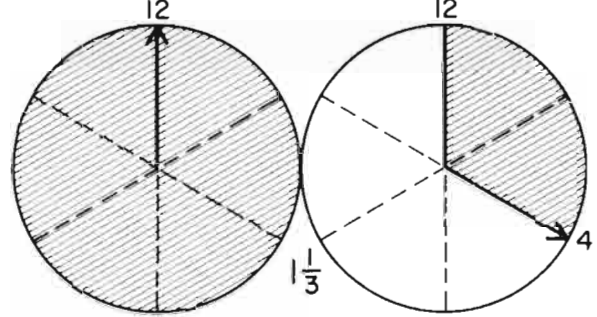
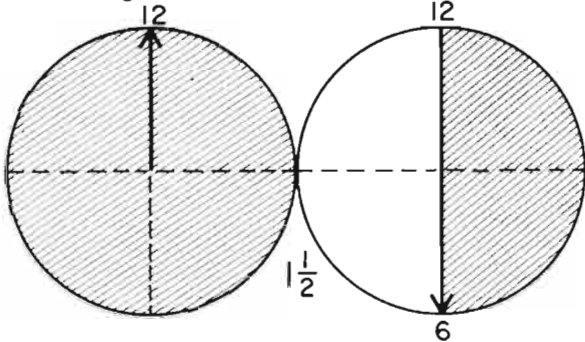
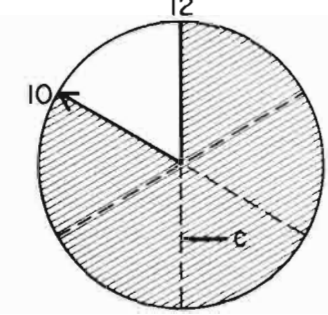
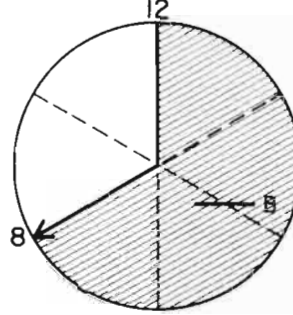
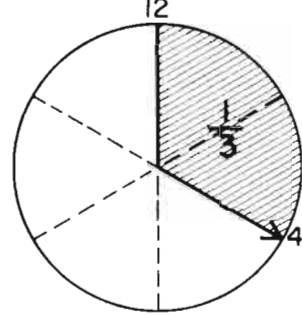
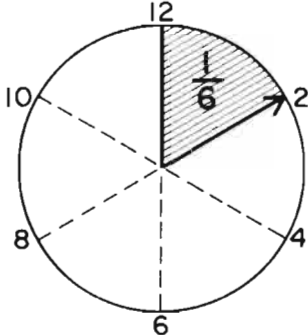
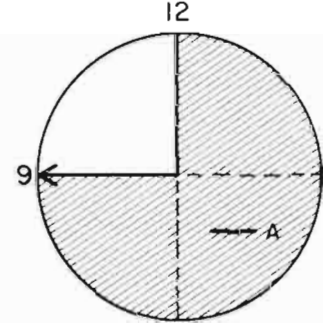
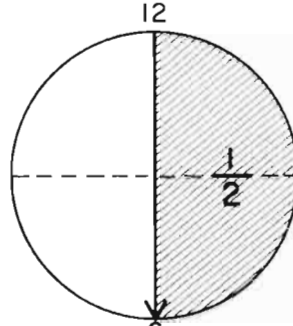
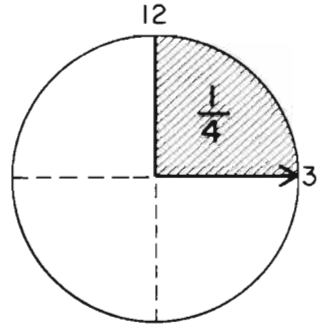
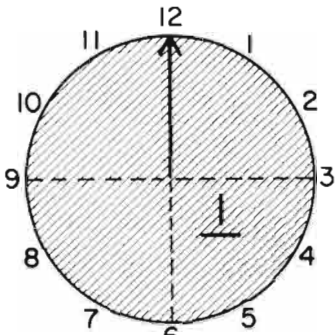
3 {	$\begin{array}{c} \square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square \end{array}$	$\begin{array}{c} \square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square \end{array}$	$\begin{array}{c} \square\square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square\square \end{array}$
	$\begin{array}{r} 13 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ \times 3 \\ \hline \end{array}$
	$3 \overline{) 13}$	$3 \overline{) 15}$	$3 \overline{) 17}$

4 {	$\begin{array}{c} \square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square \end{array}$	$\begin{array}{c} \square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square\square\square\square \end{array}$
	$\begin{array}{r} 13 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ \times 4 \\ \hline \end{array}$
	$4 \overline{) 13}$	$4 \overline{) 15}$

A	B	C	D
39	48	30	60
120	45	72	34
52	26	51	96

What Can You See?

¿Qué Puede Usted Ver?



$$\frac{1}{2} + \frac{1}{4} = \quad A$$

$$\frac{1}{2} - \frac{1}{4} = \quad B$$

$$\frac{1}{4} + \frac{1}{4} = \quad C$$

$$1 - \frac{1}{4} = \quad A$$

$$\frac{1}{6} + \frac{1}{6} = \quad A$$

$$\frac{1}{3} + \frac{1}{3} = \quad B$$

$$1 - \frac{1}{6} = \quad C$$

$$\frac{1}{3} - \frac{1}{6} =$$

$$1 - \frac{1}{2} - \frac{1}{4} = \quad D$$

$$1 - \frac{1}{2} - \frac{3}{4} = \quad A$$

$$1 - \frac{1}{3} - \frac{1}{6} = \quad D$$

$$1 - \frac{1}{3} - \frac{2}{3} = \quad B$$

$$1 - \frac{1}{3} = \quad B$$

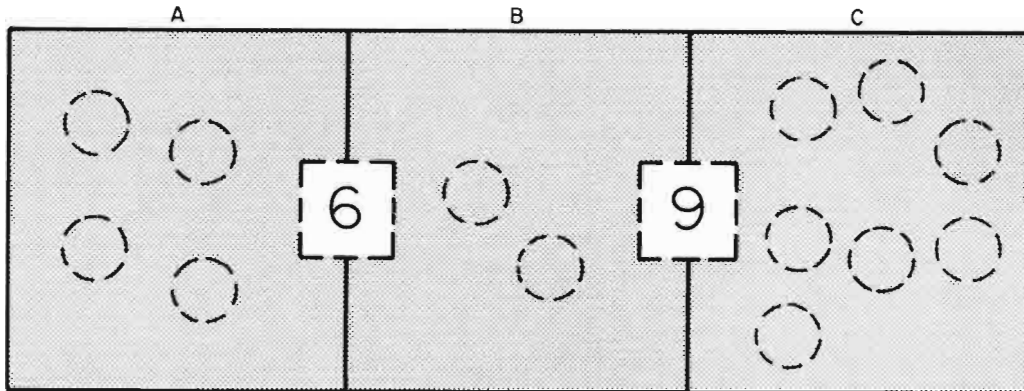
$$\frac{1}{3} + \frac{1}{6} = \quad C$$

$$\frac{1}{2} - \frac{1}{6} = \quad A$$

A	B	C	D
$\frac{3}{4}$	$\frac{5}{6}$	$\frac{1}{2}$	$\frac{1}{6}$
$\frac{1}{3}$	$\frac{2}{3}$	$\frac{2}{3}$	$\frac{1}{4}$
$\frac{1}{3}$	$\frac{1}{4}$	$\frac{5}{6}$	$\frac{1}{2}$

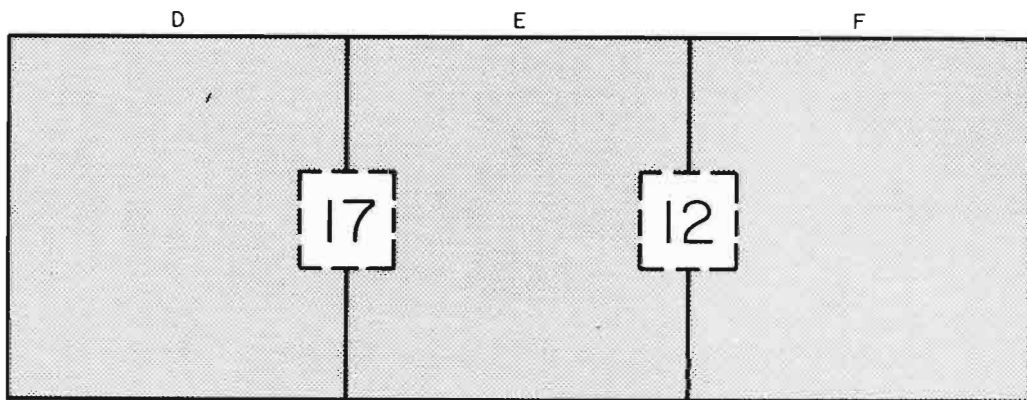
Three-way Puzzles

Rompecabezas de Tres Maneras.



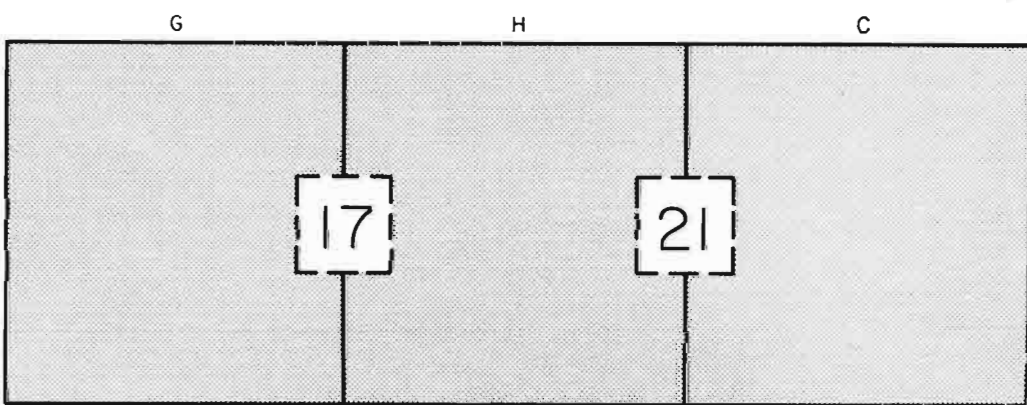
13 Total

A	B	C
4		



20 Total

D	E	F
8		



Total

G	H	C
		8

Student 15¢ Alumno	Adult 35¢ Adulto		Student 15¢ Alumno	
1	1	¢ A	3	¢ B
2	1	¢ B	10	\$. D
4	2	\$. C	13	\$. B
6	3	\$. A	26	\$. D

	A	B	C
D	1.50	3.90	8
E	9	2	14
F	25	3	7
G	4	.65	4
H	.50	.45	13
I	1.95	1.95	1.30

FACT FAMILIES . . . and . . . some Relatives
 FAMILIAS DE CUENTAS . . . y . . . algunos Familiares

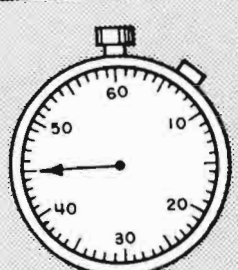
$\begin{array}{r} 9 \\ + 6 \\ \hline \end{array}$ A	$\begin{array}{r} - 6 \\ \hline \end{array}$	$\begin{array}{r} - 9 \\ \hline \end{array}$	$\begin{array}{r} + 9 \\ \hline \end{array}$
$\begin{array}{r} 6 + 9 = \\ \hline \end{array}$	$\begin{array}{r} - 9 = \\ \hline \end{array}$		$\begin{array}{r} - 6 = \\ \hline \end{array}$
$\begin{array}{r} - 6 = \\ \hline \end{array}$		$\begin{array}{r} 9 + = \\ \hline \end{array}$	

$\frac{10+6}{\quad} = \frac{\quad}{E}$	$\frac{15-7}{\quad} = \frac{\quad}{F}$		
$\frac{14-9}{\quad} = \frac{\quad}{G}$	$\frac{14-6}{\quad} = \frac{\quad}{I}$		
$\frac{19}{+6} = \frac{\quad}{H}$	$\frac{7}{+8} = \frac{\quad}{J}$	$\frac{16}{-9} = \frac{\quad}{K}$	$\frac{16}{+9} = \frac{\quad}{C}$

$\begin{array}{r} 8 \\ + 5 \\ \hline \end{array}$ B	$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$ C	$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$ D	$\begin{array}{r} \quad \\ \times 7 \\ \hline \end{array}$ A
$\begin{array}{r} - 5 = \\ \hline \end{array}$	$\begin{array}{r} \div 4 = \\ \hline \end{array}$		$\begin{array}{r} \div 7 = \\ \hline \end{array}$
$\begin{array}{r} \div 7 = \\ \hline \end{array}$		$\begin{array}{r} \div 3 = \\ \hline \end{array}$	
$\begin{array}{r} \times 6 \\ \hline \end{array}$	$\begin{array}{r} \quad + 5 \\ \hline \end{array}$	$\begin{array}{r} - 5 \\ \hline \end{array}$	$\begin{array}{r} \times 4 \\ \hline \end{array}$
$\begin{array}{r} - 8 \\ \hline \end{array}$	$\begin{array}{r} - 5 = \\ \hline \end{array}$		$\begin{array}{r} + 8 \\ \hline \end{array}$
$\begin{array}{r} \times 4 = \\ \hline \end{array}$		$\begin{array}{r} + 5 = \\ \hline \end{array}$	
$\begin{array}{r} \div 4 = \\ \hline \end{array}$		$\begin{array}{r} \div 3 = \\ \hline \end{array}$	

$\frac{7 \times 4}{\quad} = \frac{\quad}{A}$	$\frac{\quad}{\div 4} = \frac{7}{\quad}$ H		
$\frac{9 + 4}{\quad} = \frac{\quad}{E}$	$\frac{7 + 6}{\quad} = \frac{\quad}{J}$		
$\frac{18}{+5} = \frac{\quad}{D}$	$\frac{25}{+8} = \frac{\quad}{G}$	$\frac{18}{+15} = \frac{\quad}{F}$	$\frac{7}{+7} = \frac{\quad}{D}$
$\frac{24 \div 3}{\quad} = \frac{\quad}{F}$	$\frac{24 \div 8}{\quad} = \frac{\quad}{A}$		
$\frac{14}{\times 3} = \frac{\quad}{K}$	$\frac{48 + 5}{\quad} = \frac{\quad}{B}$	$\frac{75 + 8}{\quad} = \frac{\quad}{G}$	$\frac{12}{\times 4} = \frac{\quad}{A}$

	A	B	C	D	E	F
G	9	83	11	5	17	33
H	28	13	25	19	16	25
I	3	27	39	21	35	8
J	48	15	24	37	13	31
K	15	53	29	23	7	42

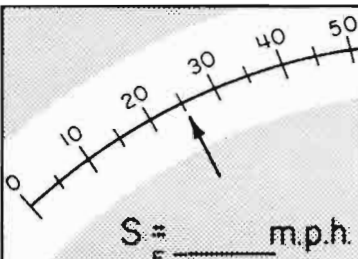


$T = 0 \text{ m, } 45 \text{ s}$

$2T$ _____ m, _____ s
B

$\frac{1}{3}T$ _____ m, _____ s
G

$T + \frac{1}{2}m$ _____ m, _____ s
H



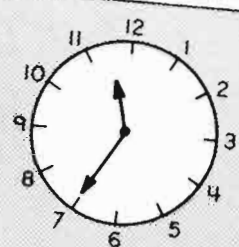
$S =$ _____ m.p.h.
E

$S + 17$ _____ m.p.h.
F

$2S$ _____ m.p.h.
C

$\frac{1}{2}S$ _____ m.p.h.
D

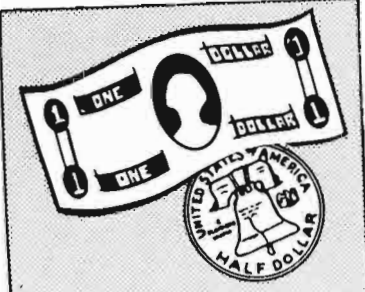
$S - 10$ _____ m.p.h.
G



$T =$ _____ : _____ a.m.
B

$T + \frac{1}{2} \text{ hr.}$ _____ : _____ p.m.
C

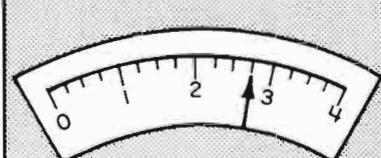
$T - \frac{1}{4} \text{ hr.}$ _____ : _____ a.m.
E



$A = \$$ _____ . _____
H

$3A$ \$ _____ . _____
B

$\frac{1}{3}A$ \$ _____ . _____
D




$A =$ _____ lb., _____ oz.
B

$\frac{1}{2}A$ _____ lb., _____ oz.
D

$A + 7 \text{ oz.}$ _____ lb., _____ oz.
F

$A - 14 \text{ oz.}$ _____ lb., _____ oz.
H



$T =$ _____ °
C

$T + 17$ _____ °
E

$T - 39$ _____ °
G

	A	B	C	D
E	11:20	2,12	85	25
F	18,3	1,30	3,3	42
G	4	29	50	15
H	1.50	1,15	1,14	1,6
I	11:15	11:35	68	12 $\frac{1}{2}$
J	1,7	4.50	1205	.50

Use only numbers from this list

Use solamente los números de esta lista

3 4 5 6 7 8 or 9

A (× 7) - (× 5) = 1

A (× 5) - (× 6) = 2

B (× 5) - (× 6) = 1

B (× 9) - (× 5) = 2

C (× 7) - (× 9) = 1

C (× 8) - (× 6) = 2

D (× 4) - (× 7) = 1

D (× 7) - (× 8) = 2

E (× 7) - (× 8) = 1

E (× 8) - (× 9) = 2

Fence Arithmetic

Aritmética Usando Cercas

10's

5	2	6	2	1
3	4	4	2	2
2	4	2	4	3
7	3	3	1	5
1	5	4	3	2

12's

6	6	1	5	2
2	6	2	7	1
4	2	1	2	2
3	3	3	5	8
4	2	1	2	4

14's

1	7	2	10	1
2	7	1	4	2
2	2	4	5	1
3	4	6	9	5
2	5	4	5	4

Loop Arithmetic

Aritmética de Lazo

A 10 × 7 =

B 100 × 7 =

C 10 × 70 =

A 1000 × 7 =

E 100 × 70 =

D 10 × 700 =

E 2 × 50 =

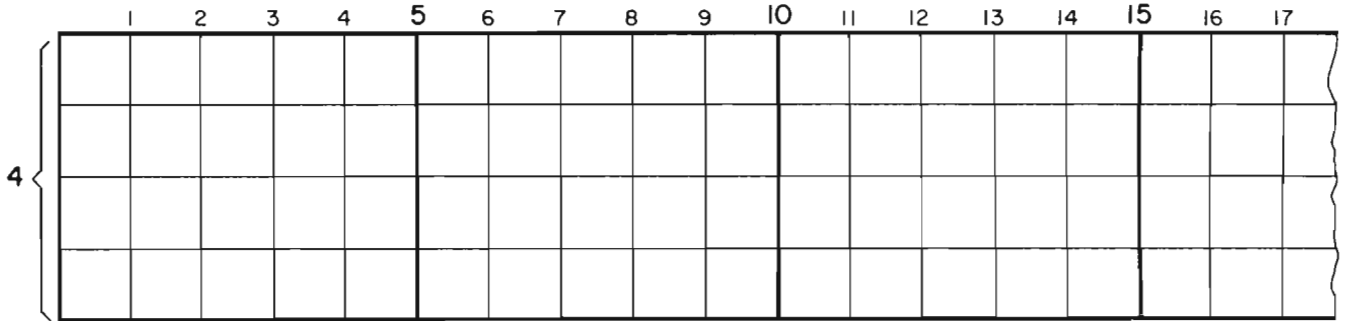
C 20 × 50 =

D 20 × 500 =

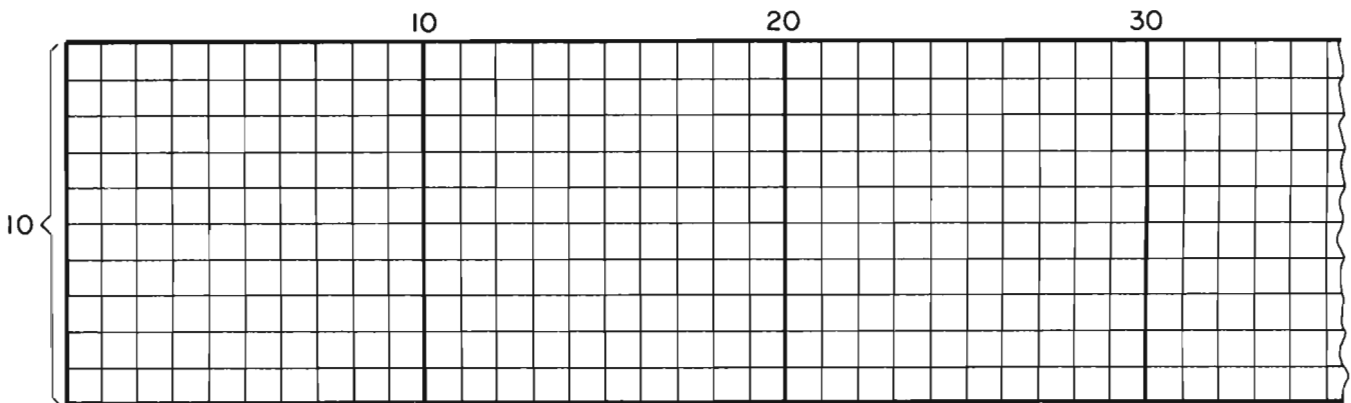
E 200 × 5 =

4	4	4	4	4
4	4	4	4	4
5	5	5	5	5
5	5	5	5	5
7	7	7	7	7
A <u> 7</u>	B <u> 7</u>	C <u> 7</u>	D <u> 7</u>	E <u> 7</u>
15	19	21	23	28

A	B	C	D	E
7,000	3, 5	1,000	9, 5	100
3, 4	700	4, 5	7,000	7, 6
70	5, 7, 7	4, 3	4, 5, 7, 7	1,000
4, 4, 7	5, 4	700	6, 5	4, 5, 5, 7, 7
4, 3	100	4, 5, 5, 7	10,000	7,000

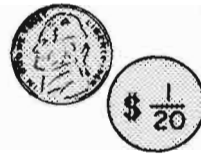
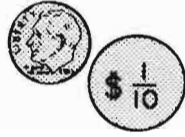
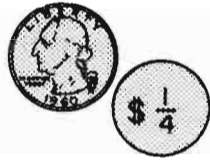


<p>A.</p> $\begin{array}{r} 4 \overline{)20} \\ 4 \\ \hline 20 \end{array}$ $\begin{array}{r} 4 \\ \overline{)20} \end{array}$ $\begin{array}{r} \times 4 \\ \hline 20 \end{array}$	<p>B.</p> $\begin{array}{r} 4 \overline{)40} \\ 4 \\ \hline 40 \end{array}$ $\begin{array}{r} 4 \\ \overline{)40} \end{array}$ $\begin{array}{r} \times 4 \\ \hline 40 \end{array}$	<p>C.</p> $\begin{array}{r} 4 \overline{)15} \\ 4 \\ \hline 15 \end{array}$ $\begin{array}{r} 4 \\ \overline{)15} \end{array}$ $\begin{array}{r} \times 4 \\ \hline 15 \end{array}$	<p>D.</p> $\begin{array}{r} 4 \overline{)28} \\ 4 \\ \hline 28 \end{array}$ $\begin{array}{r} 4 \\ \overline{)28} \end{array}$ $\begin{array}{r} \times 4 \\ \hline 28 \end{array}$	<p>E.</p> $\begin{array}{r} 4 \overline{)14} \\ 4 \\ \hline 14 \end{array}$ $\begin{array}{r} 4 \\ \overline{)14} \end{array}$ $\begin{array}{r} \times 4 \\ \hline 14 \end{array}$	<p>F.</p> $\begin{array}{r} 4 \overline{)52} \\ 4 \\ \hline 52 \end{array}$ $\begin{array}{r} 4 \\ \overline{)52} \end{array}$ $\begin{array}{r} \times 4 \\ \hline 52 \end{array}$	<p>G.</p> $\begin{array}{r} 4 \overline{)12} \\ 4 \\ \hline 12 \end{array}$ $\begin{array}{r} 4 \\ \overline{)12} \end{array}$ $\begin{array}{r} \times 4 \\ \hline 12 \end{array}$	<p>H.</p> $\begin{array}{r} 4 \overline{)44} \\ 4 \\ \hline 44 \end{array}$ $\begin{array}{r} 4 \\ \overline{)44} \end{array}$ $\begin{array}{r} \times 4 \\ \hline 44 \end{array}$
---	---	---	---	---	---	---	---



<p>E.</p> $\begin{array}{r} 10 \overline{)40} \\ 10 \\ \hline 40 \end{array}$ $\begin{array}{r} 10 \\ \overline{)40} \end{array}$ $\begin{array}{r} \times 10 \\ \hline 40 \end{array}$	<p>F.</p> $\begin{array}{r} 10 \overline{)80} \\ 10 \\ \hline 80 \end{array}$ $\begin{array}{r} 10 \\ \overline{)80} \end{array}$ $\begin{array}{r} \times 10 \\ \hline 80 \end{array}$	<p>G.</p> $\begin{array}{r} 10 \overline{)12} \\ 10 \\ \hline 12 \end{array}$ $\begin{array}{r} 10 \\ \overline{)12} \end{array}$ $\begin{array}{r} \times 10 \\ \hline 12 \end{array}$	<p>H.</p> $\begin{array}{r} 10 \overline{)24} \\ 10 \\ \hline 24 \end{array}$ $\begin{array}{r} 10 \\ \overline{)24} \end{array}$ $\begin{array}{r} \times 10 \\ \hline 24 \end{array}$	<p>A.</p> $\begin{array}{r} 10 \overline{)100} \\ 10 \\ \hline 100 \end{array}$ $\begin{array}{r} 10 \\ \overline{)100} \end{array}$ $\begin{array}{r} \times 10 \\ \hline 100 \end{array}$	<p>E.</p> $\begin{array}{r} 10 \overline{)300} \\ 10 \\ \hline 300 \end{array}$ $\begin{array}{r} 10 \\ \overline{)300} \end{array}$ $\begin{array}{r} \times 10 \\ \hline 300 \end{array}$	<p>A.</p> $\begin{array}{r} 10 \overline{)54} \\ 10 \\ \hline 54 \end{array}$ $\begin{array}{r} 10 \\ \overline{)54} \end{array}$	<p>E.</p> $\begin{array}{r} 10 \overline{)960} \\ 10 \\ \hline 960 \end{array}$
---	---	---	---	---	---	---	---

	A	B	C	D
E	96	4	30	56
F	5	8	13	7
G	540	10	120	48
H	10	11	60	240



$$50¢ = \frac{1}{1} \times \$\frac{1}{2} = \frac{2}{2} \times \$\frac{1}{4} = \frac{5}{5} \times \$\frac{1}{10} = \frac{A}{A} \times \$\frac{1}{20} = \frac{B}{B} \times \$\frac{1}{100}$$

$$\frac{1}{2} = \frac{2}{4} = \frac{C}{6} = \frac{D}{8} = \frac{E}{10} = \frac{F}{16} = \frac{A}{20} = \frac{G}{40} = \frac{B}{100}$$

$$25¢ = \frac{1}{2} \times \$\frac{1}{2} = \frac{G}{4} \times \$\frac{1}{4} = \frac{A}{8} \times \$\frac{1}{4} = \frac{2\frac{1}{2}}{12} \times \$\frac{1}{10} = \frac{C}{12} \times \$\frac{1}{10} = \frac{2\frac{1}{2}}{10} \times \$\frac{1}{10} = \frac{D}{16} \times \$\frac{1}{20} = \frac{E}{20} \times \$\frac{1}{20} = \frac{A}{40} \times \$\frac{1}{100} = \frac{F}{100} \times \$\frac{1}{100}$$

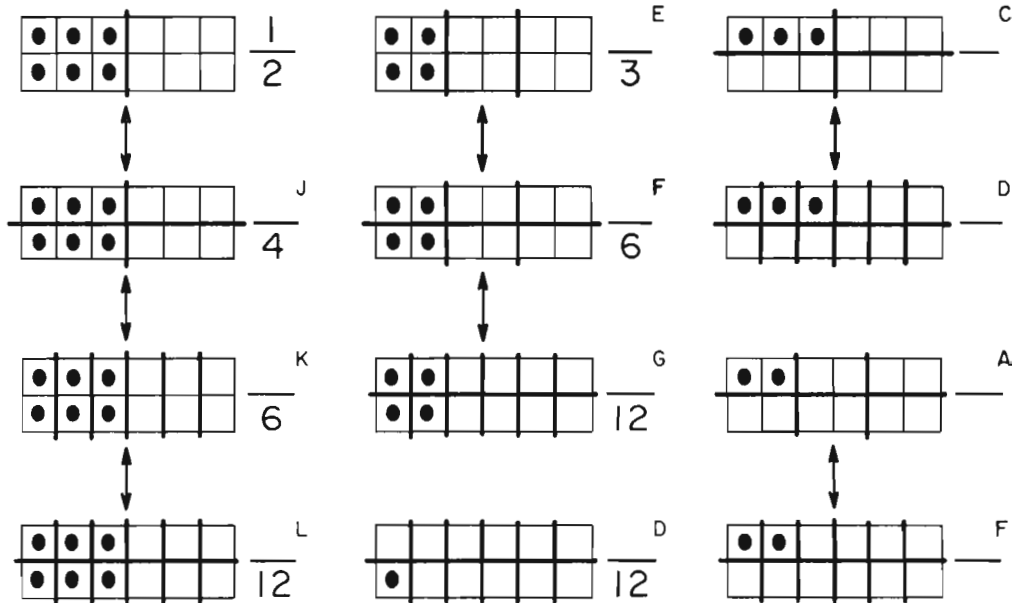
$$75¢ = \frac{1}{2} \times \$\frac{1}{2} = \frac{C}{4} \times \$\frac{1}{4} = \frac{D}{8} \times \$\frac{1}{4} = \frac{7\frac{1}{2}}{12} \times \$\frac{1}{10} = \frac{E}{12} \times \$\frac{1}{10} = \frac{7\frac{1}{2}}{10} \times \$\frac{1}{10} = \frac{A}{16} \times \$\frac{1}{20} = \frac{B}{20} \times \$\frac{1}{20} = \frac{C}{40} \times \$\frac{1}{100} = \frac{C}{100} \times \$\frac{1}{100}$$

$$\$1.00 = \frac{A}{2} \times \$\frac{1}{2} = \frac{D}{4} \times \$\frac{1}{4} = \frac{D}{6} \times \$\frac{1}{4} = \frac{F}{8} \times \$\frac{1}{10} = \frac{A}{10} \times \$\frac{1}{10} = \frac{A}{12} \times \$\frac{1}{20} = \frac{G}{20} \times \$\frac{1}{20} = \frac{B}{50} \times \$\frac{1}{100} = \frac{D}{100} \times \$\frac{1}{100}$$

$$\$1.50 = \frac{C}{2} \times \$\frac{1}{2} = \frac{D}{4} \times \$\frac{1}{4} = \frac{A}{8} \times \$\frac{1}{4} = \frac{B}{10} \times \$\frac{1}{10} = \frac{E}{100} \times \$\frac{1}{100}$$

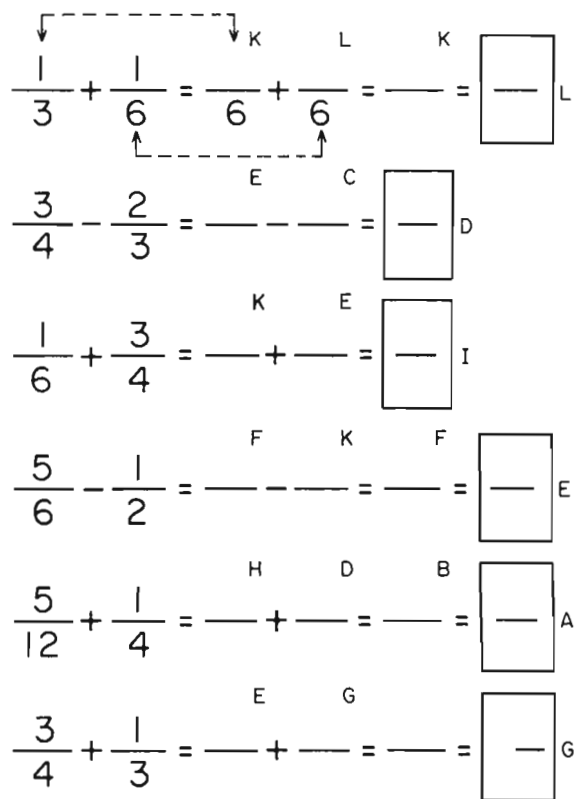
A	B	C	D	E	F	G
10	31	75	6	5	13	1
2	50	30	4	150	25	14
12	15	3	100	9	8	20

eggs	doz.
* 1	$\frac{1}{12}$
* 2	$\frac{A}{6} = \frac{F}{12}$
* 3	$\frac{C}{4} = \frac{D}{12}$
* 4	$\frac{E}{3} = \frac{F}{6} = \frac{G}{12}$
* 5	$\frac{H}{12}$
* 6	$\frac{I}{2} = \frac{J}{4} = \frac{K}{6} = \frac{L}{12}$
* 7	$\frac{M}{12}$
* 8	$\frac{A}{3} = \frac{B}{6} = \frac{C}{12}$
* 9	$\frac{D}{4} = \frac{E}{12}$
* 10	$\frac{F}{6} = \frac{G}{12}$
* 11	$\frac{I}{12}$
* 12	$1 = \frac{J}{2} = \frac{K}{3} = \frac{L}{4} = \frac{M}{6} = \frac{K}{12}$
* 13	$1\frac{1}{12} = \frac{13}{12}$

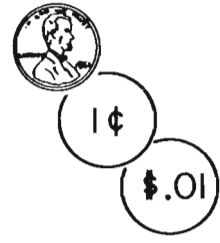
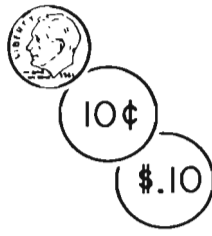
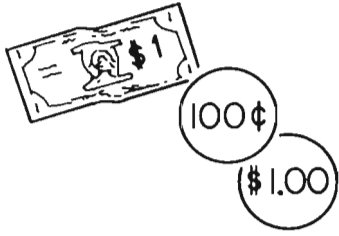


*We call the starred names the "Simplest Form" or "lowest terms".

Llamamos los nombres con estrellas "la forma más sencilla" o "En términos reducidos".



	A	B	C	D	E	F	G	H	I	J
K	$\frac{3}{3}$	$\frac{4}{6}$	$\frac{1}{4}$	$\frac{1}{12}$	$\frac{2}{6}$	$\frac{2}{12}$	$\frac{4}{12}$	$\frac{3}{6}$	$\frac{12}{12}$	$\frac{2}{2}$
L	$\frac{1}{6}$	$\frac{4}{4}$	$\frac{8}{12}$	$\frac{3}{12}$	$\frac{9}{12}$	$\frac{2}{6}$	$\frac{10}{12}$	$\frac{6}{12}$	$\frac{1}{2}$	$\frac{2}{4}$
M	$\frac{2}{3}$	$\frac{8}{12}$	$\frac{7}{12}$	$\frac{3}{4}$	$\frac{1}{3}$	$\frac{5}{6}$	$1\frac{1}{12}$	$\frac{5}{12}$	$\frac{11}{12}$	$\frac{6}{6}$



$$\frac{1}{10} = .1 = \frac{10}{100} = .10$$

$$.7 = \frac{7}{10} = .70 = \frac{70}{100}$$

$$1 \text{ (1¢)} = .1 \text{ (10¢)} = .01 \text{ (100¢)}$$

$$50 \text{ (1¢)} = \underline{\hspace{1cm}} \text{ (10¢)} = \underline{\hspace{1cm}} \text{ (100¢)}$$

$$1 \text{ (100¢)} = 10 \text{ (10¢)} = \underline{\hspace{1cm}} \text{ (1¢)}$$

$$25 \text{ (1¢)} = \underline{\hspace{1cm}} \text{ (10¢)} = \underline{\hspace{1cm}} \text{ (100¢)}$$

$$1 \text{ (10¢)} = \underline{\hspace{1cm}} \text{ (100¢)} = \underline{\hspace{1cm}} \text{ (1¢)}$$

$$1.4 \text{ (100¢)} = \underline{\hspace{1cm}} \text{ (10¢)} = \underline{\hspace{1cm}} \text{ (1¢)}$$

1¢	1	5	75	125	A	C	F	105
10¢	.1	B	A	C	3	D	3.7	
100¢	.01	C	B	D	B	.07	G	

100¢	1	.1	.01	2.13	D	D
10¢	10	A	B	D	3.7	H
1¢	A	C	I	G	C	250

	A	B	C	D
E	7.5	.5	10	1.25
F	100	.3	37	2.5
G	213	.1	.25	.37
H	30	25	7	5
I	1	14	12.5	21.3
J	140	.75	.05	.7

5% Sales Tax Added

$$5\% = \frac{5}{100} = .05 = \frac{1}{20}$$

Se Agrega 5% de Impuesto Sobre Ventas

Price Precio	\$ 1.00	20 ¢	40 ¢	60 ¢	80 ¢	\$ 2.00
Sales Tax Impuesto sobre ventas.	\$.05	1 ¢	¢	¢	¢	\$.
Total	\$.	¢	¢	¢	¢	\$.
	A	B	D	E	F	G

We have raised 66²/₃ of our goal.

$$66\frac{2}{3}\% = \frac{66\frac{2}{3}}{100} = .66\frac{2}{3} = \frac{2}{3}$$

Hemos levantado 66²/₃ de nuestra meta.

Goal Meta	\$300.00	\$ 60.00	\$150.00	\$ 30.00
Amount raised Cantidad levantada	\$200.00	\$.	\$.	\$.
Amount to go Cantidad que falta	\$.	\$.	\$.	\$.
	I	I	I	B

We charge 8% interest per year

$$8\% = \frac{8}{100} = .08 = \frac{2}{25} = \frac{4}{50} = \frac{6}{75}$$

Cobramos 8% de interés por año

Borrowed Préstamo	\$ 1.00	\$ 10.00	\$100.00	\$ 5.00	\$ 50.00
Interest Interés	\$.08	\$.	\$.	\$.	\$.
Pay back Pagado	\$.	\$.	\$.	\$.	\$.
	A	B	C	D	E

25% off

$$25\% = \frac{25}{100} = .25 = \frac{1}{4}$$

$$75\% = \frac{75}{100} = .75 = \frac{3}{4}$$

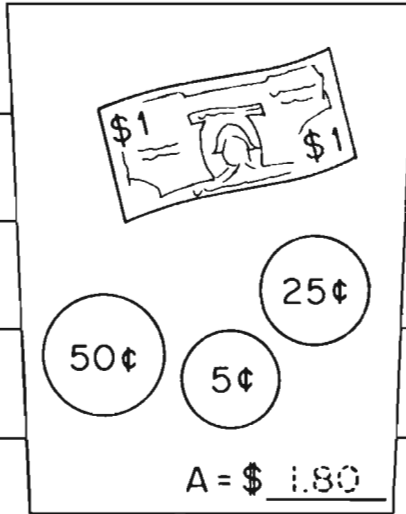
25% de Descuento

Regular Price Precio Regular	40 ¢	\$ 1.00	\$ 10.00
25% off	¢	\$.	\$.
Price Precio	¢	\$.	\$.
	E	G	J

	A	B	C	D
E	.84	.63	.30	54.00
F	1.08	10.00	.84	.42
G	1.05	.75	.02	2.10
H	1.00	.21	21.00	5.40
I	50.00	10.80	108.00	100.00
J	8.00	20.00	2.00	7.50



How do you feel?
¿Cómo se siente?



$A + 20¢$	\$
$A - 37¢$	\$
$A + \$1.25$	\$
$2A$	\$

$\frac{1}{2} A$	\$
$\$ 5.00 - A$	\$
$\frac{1}{3} A$	\$
$25\% \times A$	\$

$\begin{array}{r} 6 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 5 \\ \hline \end{array}$

$30 \times 20 = \underline{\hspace{2cm}}$

$50 \times 40 = \underline{\hspace{2cm}}$

$(3 \times 9) - (4 \times 6) = \underline{\hspace{2cm}}$

$(5 \times 8) - (7 \times 4) = \underline{\hspace{2cm}}$

$24 \div 3 = \underline{\hspace{2cm}}$

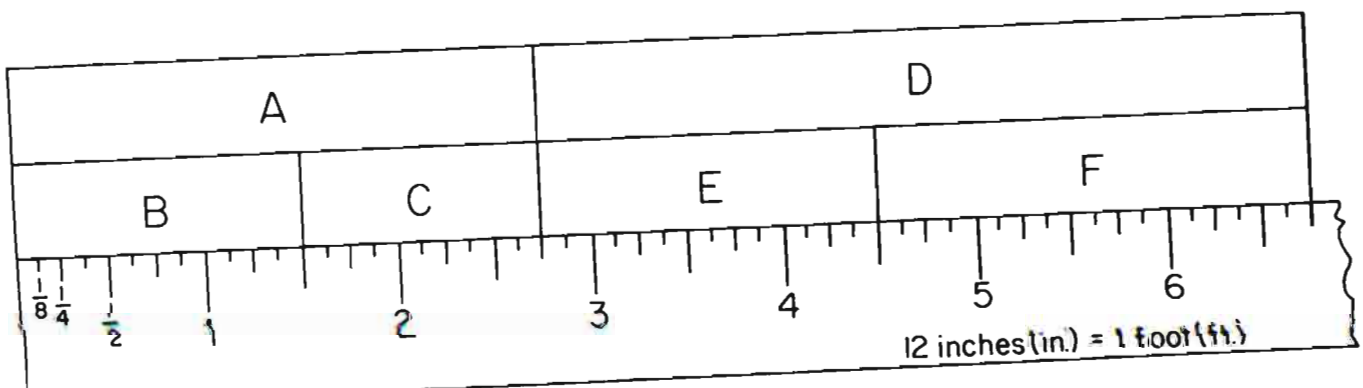
$7 + 9 = \underline{\hspace{2cm}}$

$28 \div 7 = \underline{\hspace{2cm}}$

$13 - 5 = \underline{\hspace{2cm}}$

$\frac{1}{2} + \frac{1}{4} = \underline{\hspace{2cm}}$

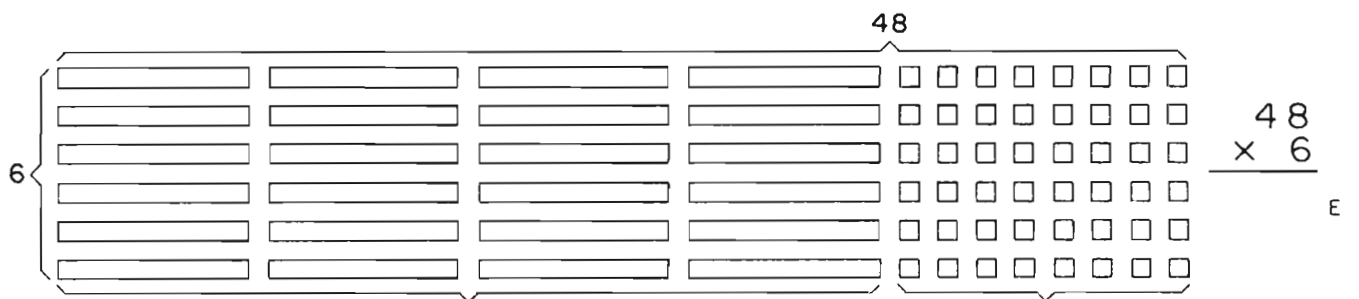
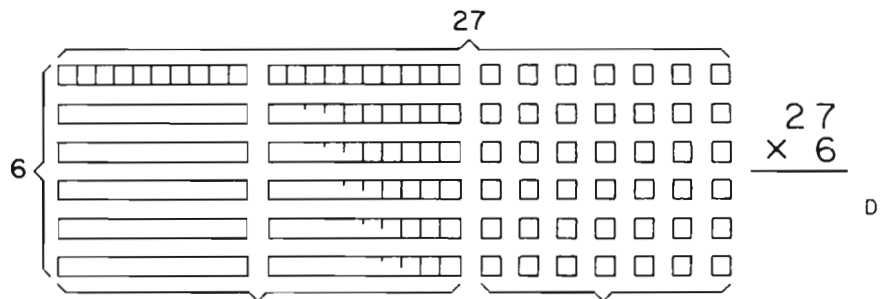
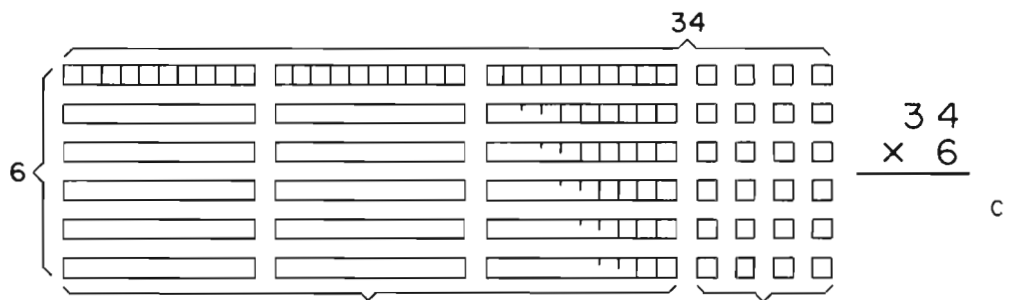
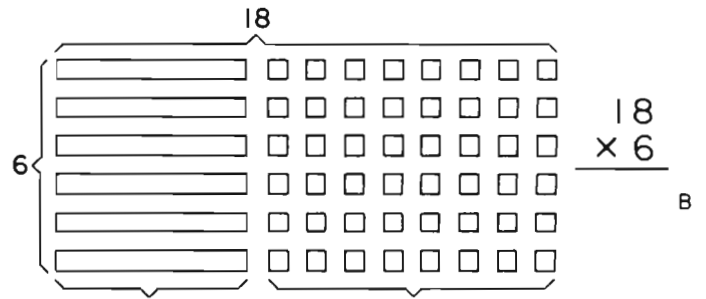
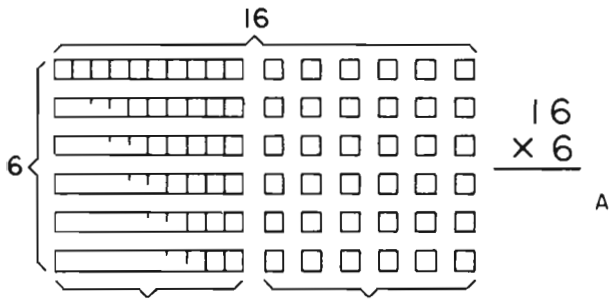
$\frac{2}{3} - \frac{1}{3} = \underline{\hspace{2cm}}$



$\frac{1}{2}$ ft.	6 in.	B	$1\frac{1}{2}$ in.	F	in.
$\frac{1}{4}$ ft.	in.	C	in.	A	in.
$\frac{2}{3}$ ft.	in.	E	in.	D	in.

What Can You See?

¿Qué Puede Usted Ver?



A	B	C	D	E
104	108	183	202	288
96	125	204	162	318

PUZZLES—several ways

ROMPECABEZAS de varias maneras

10 total

A	B	C
---	---	---

18 total

A	B
C	D

21 total

A	B	C	D	E
C	D	E		

Counters may be useful.

Pueden ser útiles los objetos para contar.

A	B	C	D	E
12	16	6	4	0
3	5	9	14	2
8	1	7	10	13
2	17	15	18	11

Fact Families

Familias de Cuentas

$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$ <p style="text-align: center;">A</p>	$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$ <p style="text-align: center;">B</p>	$6 \overline{)48}$ <p style="text-align: center;">C</p>	$3 \overline{)27}$ <p style="text-align: center;">D</p>
$7 \overline{)49}$	$5 \overline{)45}$	$\begin{array}{r} 5 \\ \overline{)45} \end{array}$	
$8 \times 6 = \underline{\quad}$	$49 \div 7 = \underline{\quad}$		
$9 \times 3 = \underline{\quad}$	$5 \times 9 = \underline{\quad}$		
$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$
$27 \div 9 = \underline{\quad}$	$48 \div 8 = \underline{\quad}$		

$3 \overline{)30} \quad B$	$6 \overline{)42} \quad F$	$3 \overline{)54} \quad G$	
$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array} \quad H$	$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array} \quad I$	$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array} \quad J$	$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array} \quad K$
$7 \times 8 = \underline{\quad} \quad L$		$8 \times 5 = \underline{\quad} \quad F$	
$54 \div 6 = \underline{\quad} \quad G$		$42 \div 7 = \underline{\quad} \quad H$	
$6 \overline{)30} \quad I$	$12 \overline{)48}$	$3 \overline{)48} \quad K$	
$5 \overline{)40} \quad L$	$5 \overline{)50} \quad F$	$8 \overline{)56} \quad H$	

Arithmetic in the World Around Us.

La Aritmética en el Mundo que Nos Rodea.

A = \$.

$\frac{1}{2}A$

\$. A

$2A$

\$. B

$10A$

\$. C

$A + \$9.90$

\$. A

$A - \$2.50$

\$.

$P = 10¢$

98P

\$. B

37P

\$. C

 P

\$1.90 A

\$12.30

 P C

	A	B	C	D	E
F	19	10	7	40	6
G	17.08	14.36	8	18	9
H	49	9.80	7	6	42
I	10	40	3.70	9	5
J	3.59	45	123	48	36
K	8.40	16	50	54	44
L	11	468	71.80	8	56

Use only numbers from this list

Use solamente números de esta lista

3,4,5,6,8

A $(\quad \times 5) - (\quad \times 4) = \underline{3}$

A $(\quad \times 5) - (\quad \times 4) = \underline{4}$

B $(\quad \times 6) - (\quad \times 7) = \underline{3}$

B $(\quad \times 8) - (\quad \times 5) = \underline{4}$

C $(\quad \times 9) - (\quad \times 8) = \underline{3}$

C $(\quad \times 5) - (\quad \times 7) = \underline{4}$

D $(\quad \times 7) - (\quad \times 4) = \underline{3}$

D $(\quad \times 7) - (\quad \times 4) = \underline{4}$

E $(\quad \times 9) - (\quad \times 7) = \underline{3}$

E $(\quad \times 9) - (\quad \times 8) = \underline{4}$

Fence Arithmetic

Aritmética Usando Cercas

9's

4	5	1	3	6
2	4	1	4	1
3	5	4	2	2
3	1	3	4	3
4	5	2	3	6

11's

2	5	6	3	1
4	2	2	1	1
3	1	2	4	8
4	7	2	2	3
1	2	2	1	8

13's

1	6	7	2	2
2	4	1	3	2
4	5	1	2	7
4	9	4	8	6
3	1	1	5	1

Loop Arithmetic

Aritmética de Lazo

- $10 \times 12 = \underline{\hspace{2cm}}$ A
- $100 \times 12 = \underline{\hspace{2cm}}$ B
- $10 \times 120 = \underline{\hspace{2cm}}$ C
- $10 \times 1200 = \underline{\hspace{2cm}}$ D
- $100 \times 120 = \underline{\hspace{2cm}}$ D
- $8 \times 50 = \underline{\hspace{2cm}}$ A
- $80 \times 5 = \underline{\hspace{2cm}}$ B
- $80 \times 50 = \underline{\hspace{2cm}}$ C
- $800 \times 5 = \underline{\hspace{2cm}}$ D
- $80 \times 500 = \underline{\hspace{2cm}}$ E

- | | | | | |
|-----|-----|-----|-----|-----|
| 3 | 3 | 3 | 3 | 3 |
| 3 | 3 | 3 | 3 | 3 |
| 7 | 7 | 7 | 7 | 7 |
| 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 |
| A 8 | B 8 | C 8 | D 8 | E 8 |
| 22 | 19 | 18 | 25 | 30 |

	A	B	C	D	E
	120	400	1,200	5,8	7,7,8,8
	3,3	3,8,8	5,3	4,000	120,000
	7,7,8	3,4	3,7,8	4,6	5,6
	400	4,3	4,000	3,7,7,8	40,000
	4,4	1,200	3,3	12,000	4,4

Fact Families

Familias de Cuentas

12
x 4
A

4) 12

14
x 6
B

6) 14)

13
x 5
C

5) 13 13) 5

25
x 3
A

3) 25)

24
x 5
B

5) 24)

23
x 3
C

3) 23)

27
x 7
D

7) 27)

10's

3	3	3	1	4
1	5	1	9	1
4	2	5	3	5
3	8	2	6	3
7	3	3	4	1

11's

5	3	3	8	3
3	2	1	3	7
4	4	3	3	3
4	3	2	5	2
1	4	6	3	3

	A	B	C
D	3	4	189
E	48	1	15
F	5	24	9
G	75	8	50
H	8	120	5
I	7	60	69
J	40	6	65
K	2	84	10

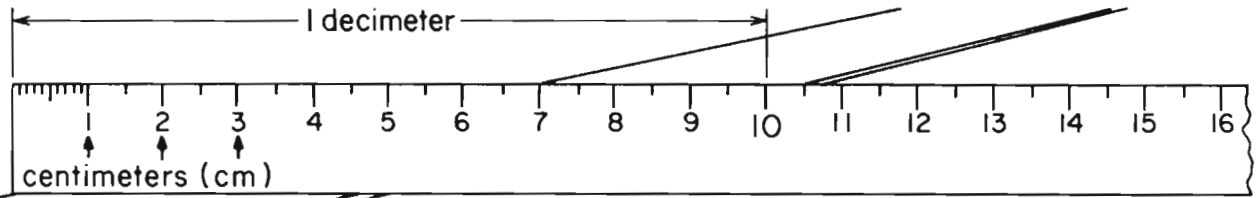
“Simplest Form” or “Lowest Term” “La Forma Más Sencilla” o “En Términos Reducidos”

$\frac{1}{2} = \frac{F}{4} = \frac{D}{6} = \frac{C}{8} = \frac{12}{12}$ $\frac{A}{A} = \frac{2}{6} = \frac{L}{9} = \frac{K}{12} = \frac{F}{15}$ $\frac{B}{B} = \frac{2}{8} = \frac{D}{12} = \frac{C}{16} = \frac{J}{32}$ $\frac{C}{C} = \frac{2}{12} = \frac{L}{18} = \frac{K}{24} = \frac{J}{36}$ $\frac{D}{D} = \frac{3}{24} = \frac{K}{16} = \frac{C}{32} = \frac{M}{40}$	$\frac{E}{E} = \frac{3}{36} = \frac{F}{24} = \frac{K}{48}$ $\frac{F}{F} = \frac{6}{9} = \frac{I}{12} = \frac{C}{6}$ $\frac{G}{G} = \frac{9}{12} = \frac{F}{8} = \frac{H}{16}$ $\frac{H}{H} = \frac{15}{18} = \frac{A}{12} = \frac{D}{24}$ $\frac{I}{I} = \frac{12}{32} = \frac{J}{16} = \frac{G}{24}$	$\frac{A}{A} = \frac{50}{80} = \frac{M}{16} = \frac{L}{24}$ $\frac{B}{B} = \frac{14}{16} = \frac{C}{32} = \frac{K}{24}$ $\frac{C}{C} = \frac{10}{24} = \frac{K}{48} = \frac{B}{36}$ $\frac{D}{D} = \frac{21}{36} = \frac{I}{24} = \frac{J}{48}$ $\frac{E}{E} = \frac{22}{24} = \frac{J}{36} = \frac{H}{48}$
--	---	---

$\frac{3}{4} = \text{---} A$ $+\frac{1}{6} = \text{---}$ <hr style="border: 1px solid black;"/> $\frac{L}{L} = \text{---}$	$\frac{1}{2} = \text{---} B$ $+\frac{1}{3} = \text{---}$ <hr style="border: 1px solid black;"/> $\frac{H}{H} = \text{---}$
$\frac{1}{12} = \text{---}$ $+\frac{2}{3} = \text{---} E$ <hr style="border: 1px solid black;"/> $\frac{M}{M} = \text{---}$	$\frac{1}{2} = \text{---} G$ $+\frac{3}{8} = \text{---}$ <hr style="border: 1px solid black;"/> $\frac{B}{B} = \text{---}$

$\frac{1}{3} - \frac{1}{4} = \frac{\text{---}}{12} - \frac{\text{---}}{12} =$	E
$\frac{1}{2} - \frac{1}{3} = \frac{\text{---}}{\text{---}} - \frac{\text{---}}{\text{---}} =$	C
$\frac{1}{4} - \frac{1}{6} = \frac{\text{---}}{\text{---}} - \frac{\text{---}}{\text{---}} =$	E
$\frac{3}{4} - \frac{2}{3} = \frac{\text{---}}{\text{---}} - \frac{\text{---}}{\text{---}} =$	K
$\frac{3}{4} - \frac{5}{12} = \frac{\text{---}}{\text{---}} - \frac{\text{---}}{\text{---}} = \frac{\text{---}}{\text{---}} =$	A

	A	B	C	D	E	F	G	H	I
J	$\frac{5}{8}$	$\frac{3}{6}$	28	$\frac{1}{8}$	33	6	9	7	8
K	$\frac{9}{12}$	$\frac{1}{4}$	4	20	$\frac{1}{12}$	2	$\frac{1}{2}$	$\frac{5}{6}$	21
L	$\frac{1}{3}$	15	$\frac{5}{12}$	3	$\frac{11}{12}$	$\frac{2}{3}$	$\frac{4}{8}$	12	14
M	10	$\frac{7}{8}$	$\frac{1}{6}$	$\frac{7}{12}$	$\frac{8}{12}$	5	$\frac{3}{4}$	44	$\frac{3}{8}$



1 Meter = 100cm

10 Meters (M) = 100 decimeters (D) = 1000 centimeters (cm) = 10,000 millimeters (mm)

1 Meter = 10 decimeters = A centimeters = B millimeters

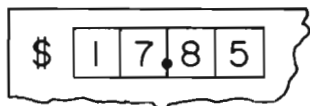
.1 Meter = 1 decimeters = C centimeters = J millimeters

.01 Meter = D decimeters = 1 centimeters = C millimeters

.001 Meter = E decimeters = J centimeters = 1 millimeters

Meters	deci- meters	centi- meters	milli- meters
5		A	
.7		B	
.04		C	
.017		D	I

M	D	cm	mm
	E		3600
	F	C	250
	G	F	H
1.257	12.57	125.7	

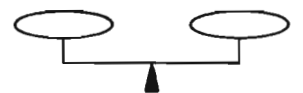


1 \$10 = 10 \$1

100 (10¢) = 1000 (1¢)

\$10	\$1	10¢	1¢
1.785	17.85	178.5	1,785
	A	3.00	
.045		I	H
	B	K	5
	C	60.00	
	D	1.75	G
	F	15	

1 Kilogram = 10 (100 grams) =
100 (10 grams) = 1000 (1 gram)

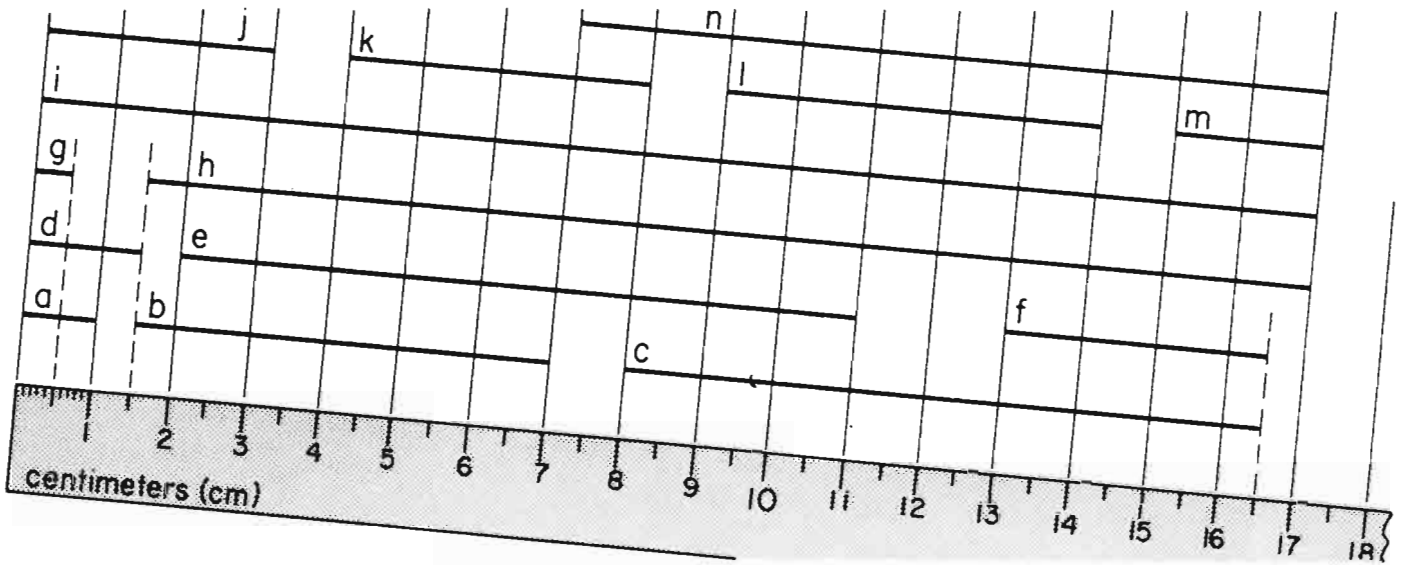


Kilo	100G	10G	1 Gram
.8	8	80	800
	A	4	I
1.5		G	J
			K
			L

	A	B	C	D	E	F	G	H
I	50	1.7	6	.45	50	40	17.5	4.5
J	100	.05	2.5	.1	3.6	.06	15	150
K	.4	7	10	.17	400	.25	.5	.6
L	.3	1000	.4	.175	.01	1.5	.006	1500

Lengths of lines shown.

Los largos de las líneas mostradas.



$a = \frac{\quad}{A}$ cm

$h = \quad$ cm

$a + b = \frac{\quad}{H}$ cm

$b - a = \frac{\quad}{A}$ cm

$b = \frac{\quad}{B}$ cm

$i = \frac{\quad}{I}$ cm

$c + d = \frac{\quad}{J}$ cm

$c - d = \frac{\quad}{G}$ cm

$c = \frac{\quad}{C}$ cm

$j = \frac{\quad}{J}$ cm

$e + f = \frac{\quad}{A}$ cm

$e - f = \quad$ cm

$d = \frac{\quad}{D}$ cm

$k = \frac{\quad}{A}$ cm

$g + h = \quad$ cm

$n - g = \frac{\quad}{A}$ cm

$e = \frac{\quad}{E}$ cm

$l = \frac{\quad}{B}$ cm

$i + b = \frac{\quad}{F}$ cm

$i - h = \frac{\quad}{D}$ cm

$f = \quad$ cm

$m = \frac{\quad}{C}$ cm

$c + h = \quad$ cm

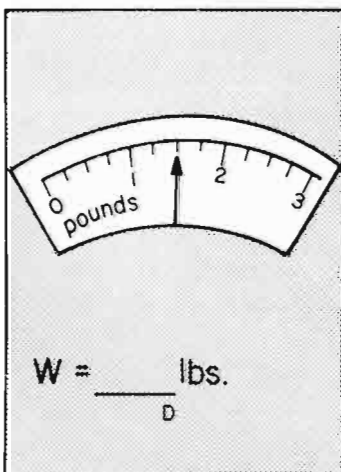
$i - c = \frac{\quad}{H}$ cm

$g = \quad$ cm

$n = \frac{\quad}{D}$ cm

$g + n = \frac{\quad}{E}$ cm

$n - d = \frac{\quad}{C}$ cm



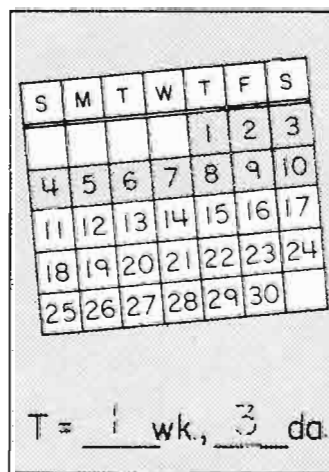
$\frac{1}{2}W$
lbs. I

$2W$
lbs. C

$W - \frac{3}{4}$ lb.
lbs. D

$W + \frac{3}{4}$ lb.
lbs. B

$W - \frac{1}{4}$ lb.
lbs.



$\frac{1}{2}T$
E $\frac{\quad}{\quad}$ wk., $\frac{\quad}{\quad}$ da.

$2T$
F $\frac{\quad}{\quad}$ wk., $\frac{\quad}{\quad}$ da.

$T + 6$ da.
F $\frac{\quad}{\quad}$ wk., $\frac{\quad}{\quad}$ da.

	A	B	C	D	E
F	$6\frac{1}{2}$	$22\frac{1}{2}$	2,2	24	2,6
G	1	$2\frac{1}{4}$	2	7	9
H	$12\frac{1}{2}$	$\frac{1}{2}$	$8\frac{1}{2}$	$1\frac{1}{2}$	1,2
I	4	$5\frac{1}{2}$	17	$\frac{3}{4}$	0,5
J	$4\frac{1}{2}$	5	3	10	$10\frac{1}{2}$

30% of the cars had out-of-state licenses.

$$30\% = \frac{30}{100} = \frac{3}{10} = .30 = .3$$

30% de los carros tenían licencias de otro estado.

Cars	Carros	100	500	10	70	A	F	90
Out-of-state	De Otro estado					60		
In-state	Del estado						210	
		A	B	C	D	E		G

10% discount

$$10\% = \frac{10}{100} = \frac{1}{10} = .10 = .1$$

10% de descuento

Regular Price	Precio Regular	\$ 7.00	\$.	¢	\$ 150
Discount	Descuento	\$.	\$.35	¢	\$
Sale Price	Precio de Venta	\$.	\$.	45 ¢	\$
		A	B		D

Interest rate
7% per year

$$7\% = \frac{7}{100} = .07$$

Por Ciento de Interés 7% por año

Borrowed	Préstamo	\$ 10.00	\$ 200.00	\$	\$
Interest	Interés	\$.	\$.	\$ 35	\$
Total	Total	\$.	\$.	\$	\$ 1070
		A	B	C	D

25%
Down-payment

$$25\% = \frac{25}{100} = .25 = \frac{1}{4}$$

Pago Inicial 25%

Cost	Costo	\$ 4.00	\$.	\$.
Down	Pago Inicial	\$ 1.00	\$ 20.00	\$.
Owed	Deuda	\$ 3.00	\$.	\$ 75.00
			B	C

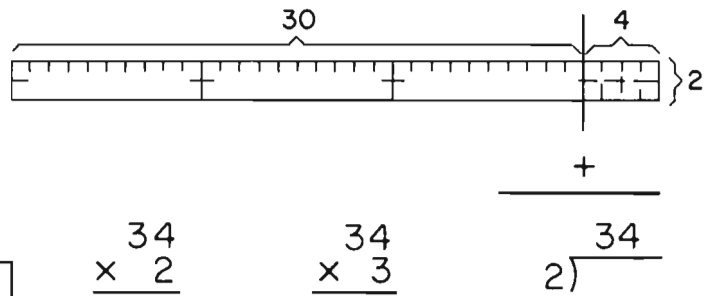
	A	B	C	D
E	200	140	80	157.50
F	10.70	60	300	49
G	6.30	350	535	63
H	700	214	50	1000
I	70	500	100	135
J	3.75	3.15	7	3.50

SPEED LIMIT
55 m.p.h.
 S = ___ m.p.h.

2S	m.p.h.	S-18	m.p.h.
S-30 m.p.h.	m.p.h.	S-13	m.p.h.
6 × (S-5)	m.p.h.	S-35	m.p.h.
$\frac{1}{2}S$	m.p.h.	50% × S	m.p.h.



How do you feel?
 ¿Cómo se siente?



$(7 \times 7) - (5 \times 6) = \underline{\quad}$

$(6 \times 6) - (3 \times 9) = \underline{\quad}$

$10 \times 850 = \underline{\quad}$ $20 \times 50 = \underline{\quad}$

$\begin{array}{r} 17 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$	$6 \overline{)42}$	
$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$	$6 \overline{)48}$	$\begin{array}{r} 23 \\ + 29 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$
$5 \overline{)30}$	$\begin{array}{r} 50 \\ - 32 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ - 17 \\ \hline \end{array}$

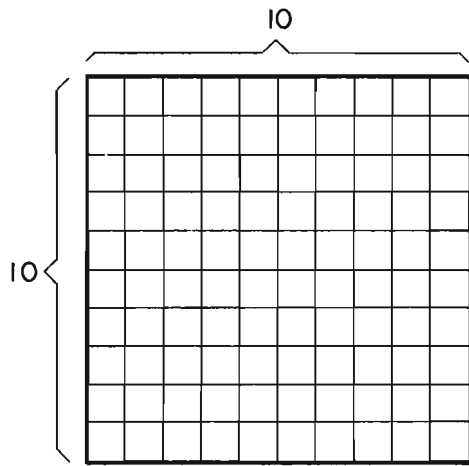
T = ___ : ___ p.m.

$\frac{1}{2} = \frac{\quad}{6}$ $\frac{1}{4} = \frac{\quad}{12}$ $\frac{3}{4} = \frac{\quad}{12}$

T+45 min.	: p.m.
T-(1 hr.+ 20 min.)	: p.m.
T+ $1\frac{1}{2}$ hrs.	: p.m.
25% × 60 min.	min.
T+12 hrs.	: a.m.

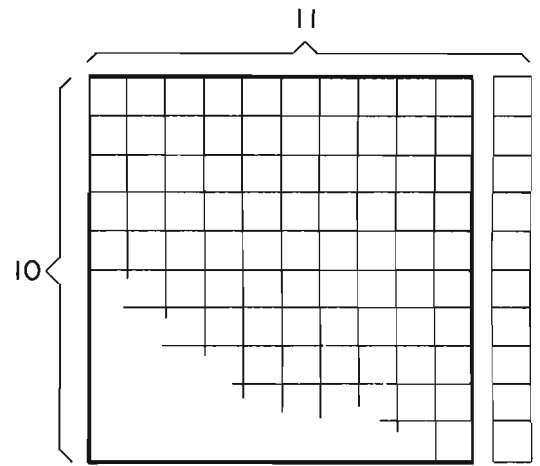
What Can You See?

¿Qué Puede Usted Ver?



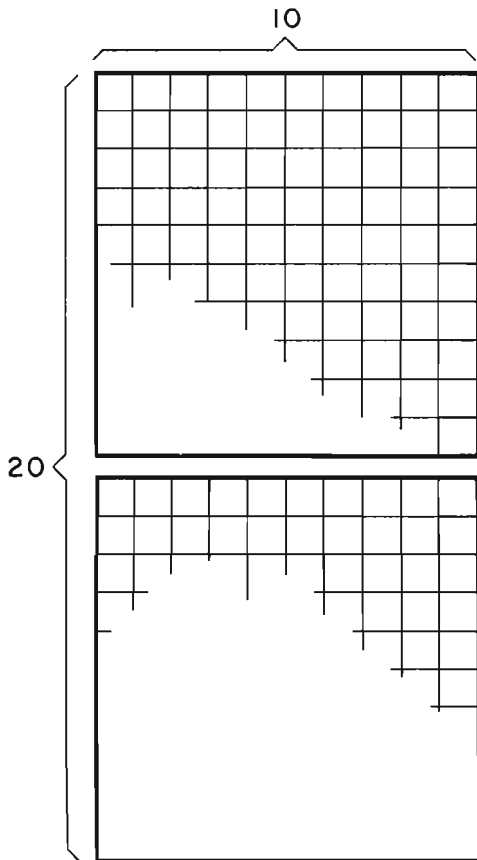
$$\begin{array}{r} 10 \\ \times 10 \\ \hline 100 \end{array}$$

$$10 \overline{) 100}$$



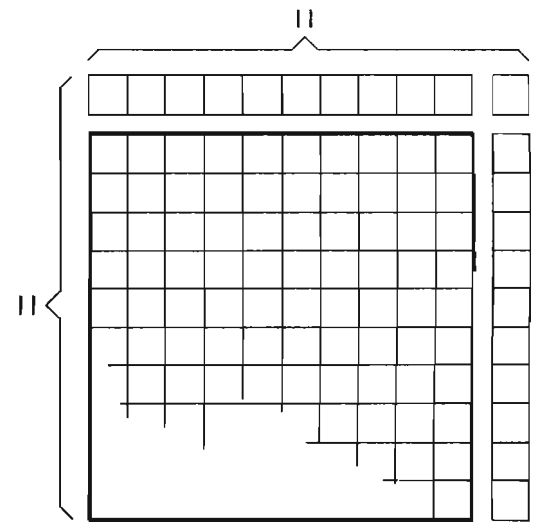
$$\begin{array}{r} 11 \\ \times 10 \\ \hline \end{array} \quad \text{A}$$

$$10 \overline{) 11} \quad \text{B}$$



$$\begin{array}{r} 10 \\ \times 20 \\ \hline \end{array} \quad \text{C}$$

$$20 \overline{) 10} \quad \text{A}$$



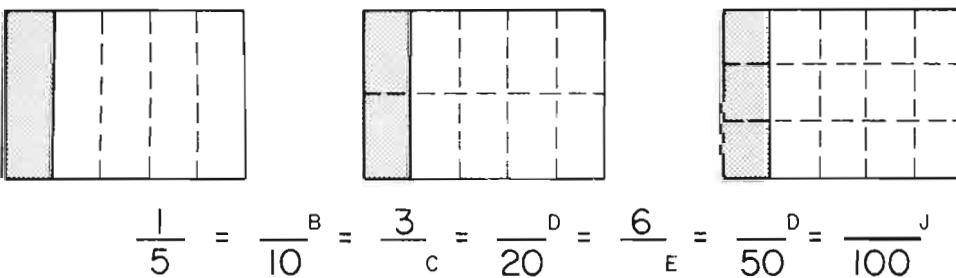
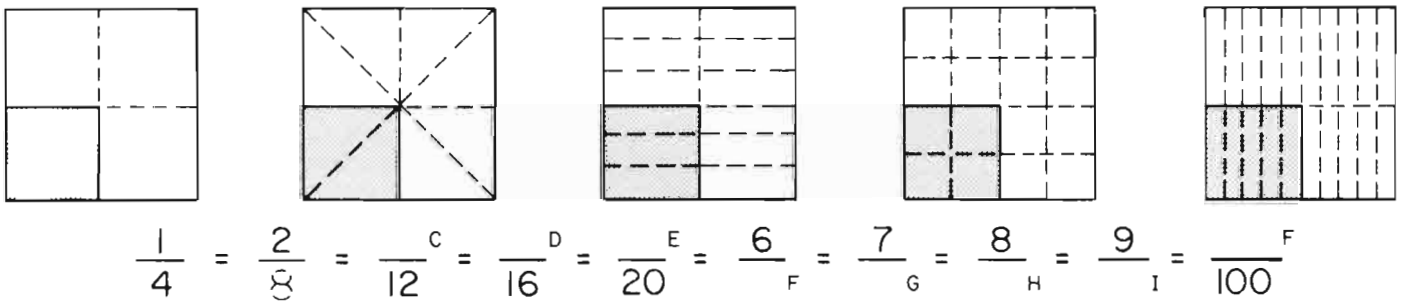
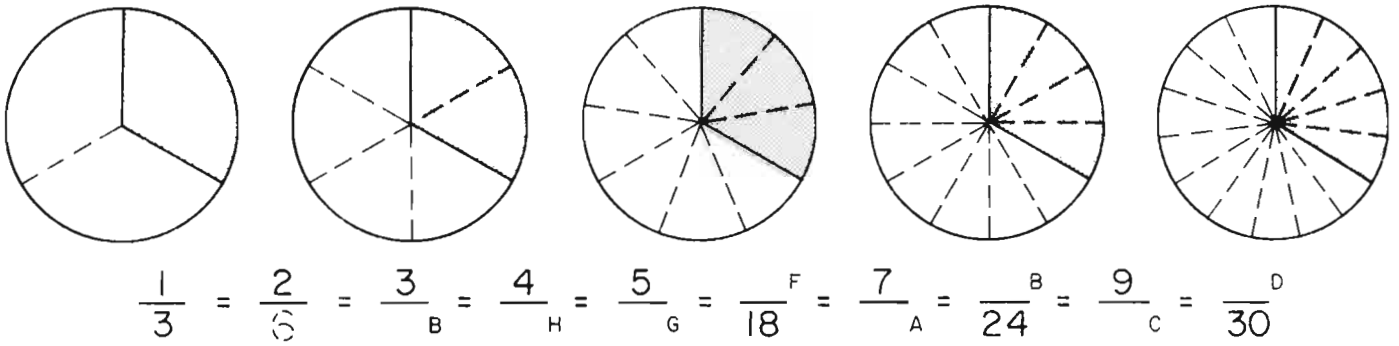
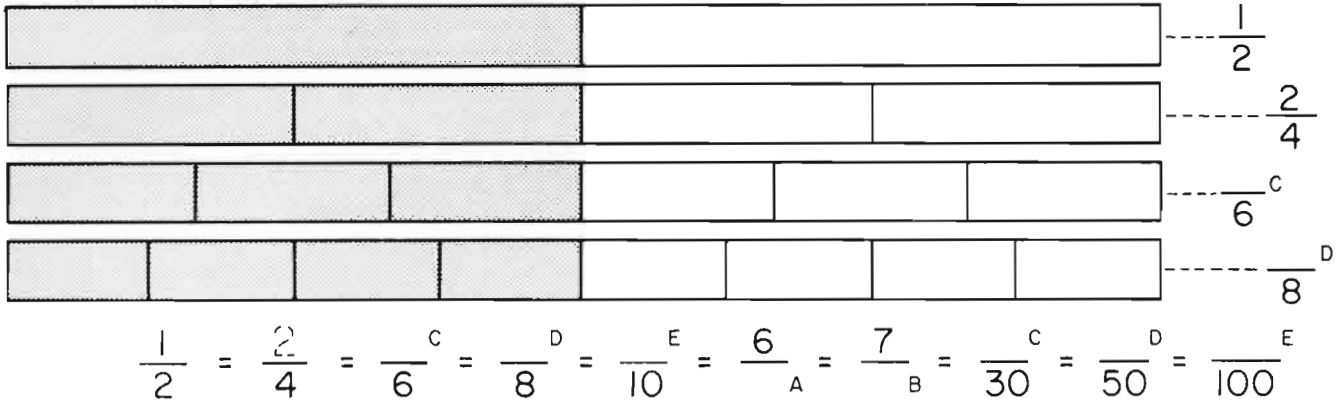
$$\begin{array}{r} 11 \\ \times 11 \\ \hline \end{array} \quad \text{B}$$

$$11 \overline{) 11} \quad \text{C}$$

A	B	C
90	101	200
110	121	130
200	110	121

Can you see the patterns?
Can you extend them?

¿Puede usted ver las muestras?
¿Puede usted extenderlas?



	A	B	C	D	E
F	6	24	13	25	11
G	28	8	15	4	30
H	12	9	3	17	32
I	36	14	27	1	5
J	21	2	20	10	50

Fact Families

Familias de Cuentas

$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$ <small>A</small>	$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$ <small>B</small>	$5 \overline{)30}$ <small>C</small>	$9 \overline{)54}$ <small>D</small>
---	---	-------------------------------------	-------------------------------------

$7 \overline{)56}$	$\begin{array}{r} 9 \\ \overline{)54} \end{array}$
--------------------	--

$30 \div 6 = \underline{\quad}$	$7 \times 8 = \underline{\quad}$
$54 \div 6 = \underline{\quad}$	$9 \times 9 = \underline{\quad}$

$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$
--	--	--	--

$81 \div 9 = \underline{\quad}$	$56 \div 8 = \underline{\quad}$
---------------------------------	---------------------------------

$5 \overline{)35}$ <small>F</small>	$9 \overline{)90}$ <small>G</small>	$9 \overline{)180}$ <small>H</small>	80
$\begin{array}{r} 80 \\ \times 7 \\ \hline \end{array}$ <small>I</small>	$\begin{array}{r} 81 \\ \times 7 \\ \hline \end{array}$ <small>J</small>	$\begin{array}{r} 82 \\ \times 7 \\ \hline \end{array}$ <small>K</small>	$\begin{array}{r} 83 \\ \times 7 \\ \hline \end{array}$ <small>L</small>

$5 \times 7 = \underline{\quad}$ <small>F</small>	$5 \times 21 = \underline{\quad}$ <small>G</small>
$5 \times 14 = \underline{\quad}$ <small>H</small>	$5 \times 42 = \underline{\quad}$ <small>I</small>

$8 \overline{)40}$ <small>J</small>	$8 \overline{)800}$ <small>K</small>	$8 \overline{)840}$ <small>L</small>
-------------------------------------	--------------------------------------	--------------------------------------

$9 \overline{)18}$ <small>F</small>	$9 \overline{)450}$ <small>G</small>	$9 \overline{)468}$ <small>J</small>
-------------------------------------	--------------------------------------	--------------------------------------

USED PAPER-BOOKS

1 - 10 8¢ ea.
 11 - 50 7¢ ea.
 51 - 100 6½¢ ea.

9	
¢	<small>A</small>
76	18
\$.	\$.
150	\$ 2.73
\$.	<small>B</small>

$A = \$ \underline{\quad}$ <small>C</small>	$A + \$ 36.60$ <small>D</small>
$10 \times A$ <small>B</small>	$\frac{1}{10} \times A$ <small>A</small>
$2 \times A$ <small>C</small>	

	A	B	C	D	E
F	7	2	6	45	35
G	50	5.25	105	6	10
H	72	39	346.8	20	70
I	17.34	560	6	210	30
J	50	56	5	567	52
K	81	40	9.75	100	574
L	1.26	1734	173	581	105

Use only numbers from this list

Use solamente números de esta lista

3,4,5,6,7,8,9

A (× 4) - (× 5) = 1

A (× 3) - (× 4) = 2

B (× 7) - (× 6) = 1

B (× 5) - (× 7) = 2

C (× 7) - (× 3) = 1

C (× 4) - (× 5) = 2

D (× 9) - (× 5) = 1

D (× 4) - (× 3) = 2

E (× 8) - (× 7) = 1

E (× 6) - (× 8) = 2

Fence Arithmetic

Aritmética Usando Cercas

14's

2	7	6	1	7
5	8	7	3	4
9	3	3	1	10
1	3	4	4	3
4	2	5	6	4

15's

5	5	3	7	7
1	5	1	8	2
1	6	3	2	4
6	5	10	15	3
9	2	2	3	5

16's

1	2	8	1	3
10	6	8	4	5
3	2	3	4	8
4	5	2	4	4
7	9	1	4	4

Loop Arithmetic

Aritmética de Lazo

10 × 9 = _____ A

3	4	4	3	2
3	4	4	3	3
7	5	6	3	4
7	5	6	8	9
8	7	9	8	9
A <u>8</u>	B <u>7</u>	C <u>9</u>	D <u>8</u>	E <u>9</u>
25	23	23	22	30

20 × 9 = _____ B

30 × 90 = _____ C

10 × 900 = _____ D

20 × 90 = _____ E

30 × 900 = _____ A

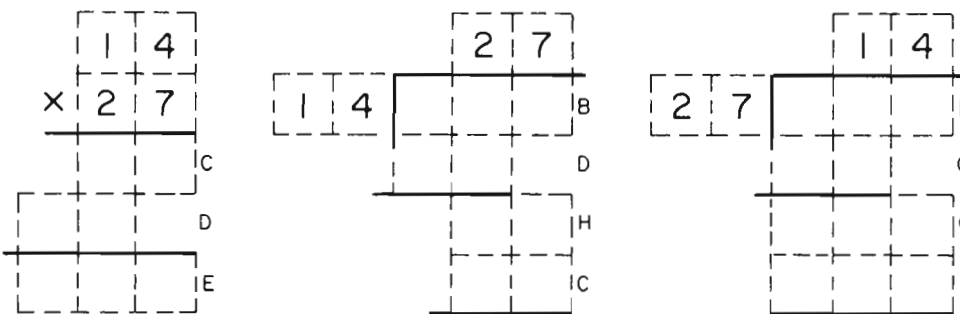
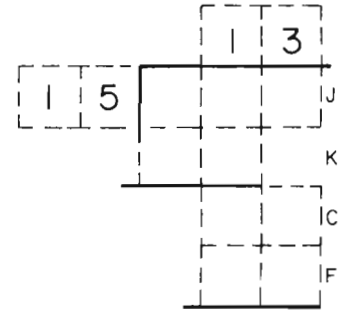
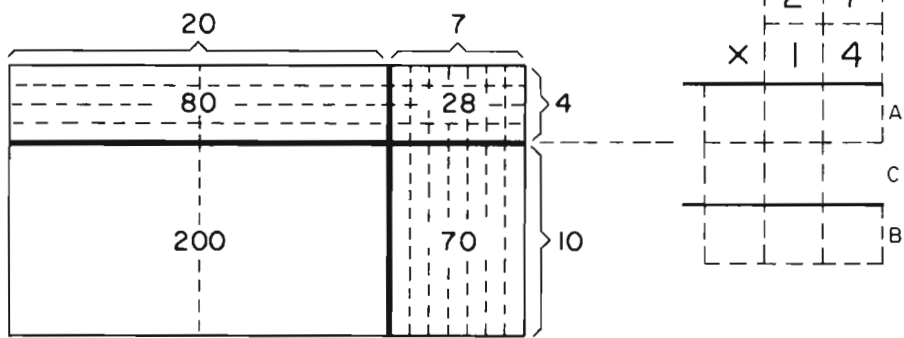
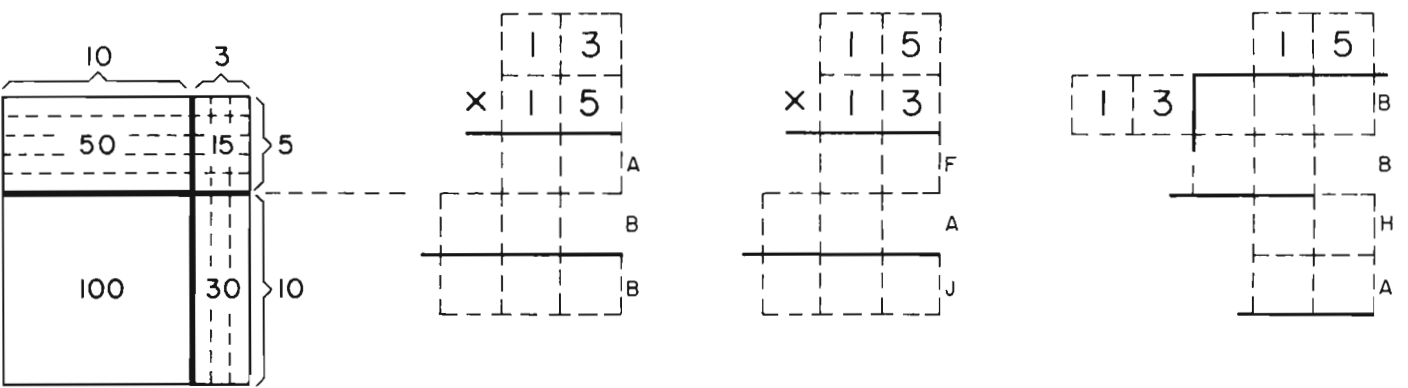
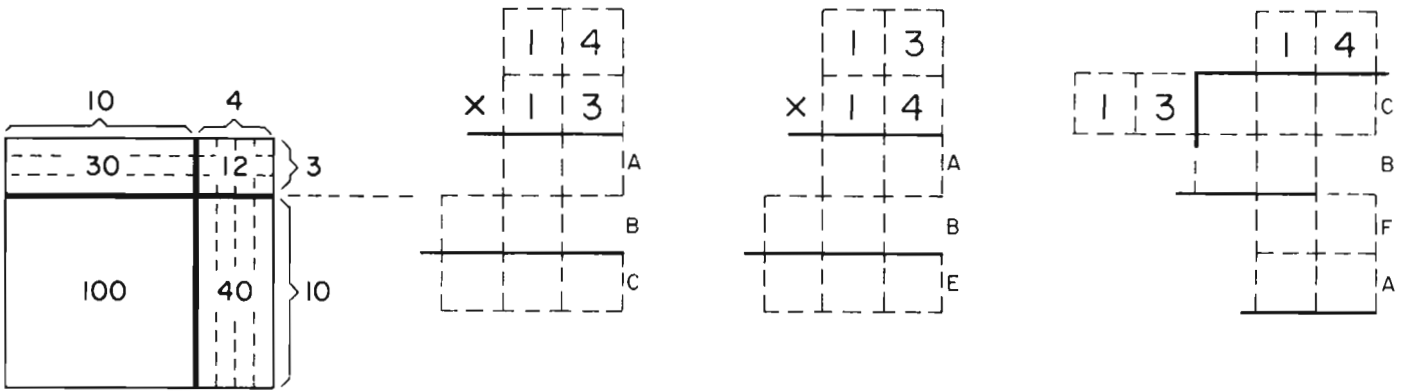
100 × 900 = _____ B

200 × 90 = _____ C

3000 × 9 = _____ D

50 × 900 = _____ E

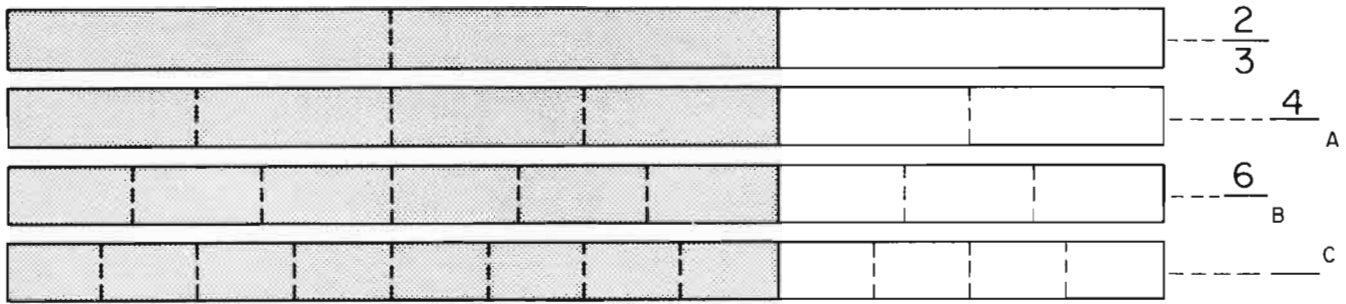
A	B	C	D	E
90	7,8	4,4,6,9	27,000	1,800
4,3	90,000	2,700	4,7	8,9
3,7,7,8	6,4	8,6	9,000	45,000
6,4	180	18,000	3,3,8,8	7,5
27,000	4,5,7,7	4,9	5,6	3,9,9,9



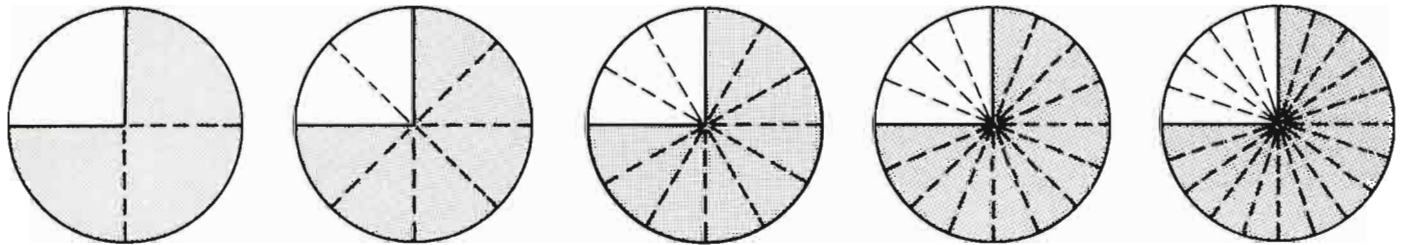
	A	B	C
D	15	28	280
E	37	378	182
F	52	13	45
G	150	140	270
H	65	14	98
I	42	130	108
J	53	195	27
K	108	150	15

Can you see the patterns?
Can you extend them?

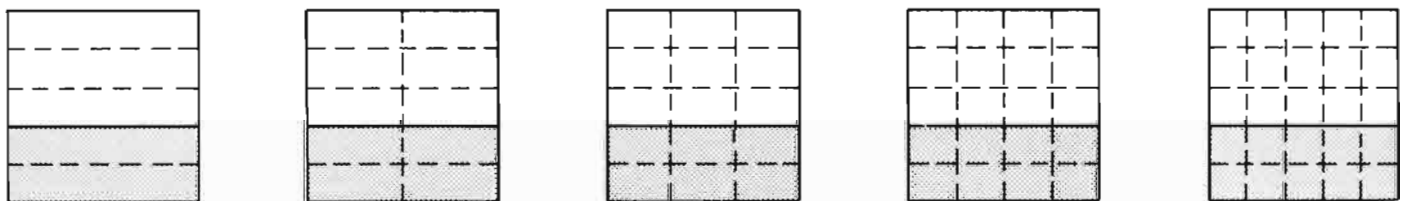
¿Puede usted ver las muestras?
¿Puede Usted Extenderlas?



$$\frac{2}{3} = \frac{4}{A} = \frac{6}{B} = \frac{C}{12} = \frac{D}{15} = \frac{E}{18} = \frac{14}{A} = \frac{20}{B} = \frac{C}{60} = \frac{D}{90}$$



$$\frac{3}{4} = \frac{A}{8} = \frac{B}{12} = \frac{E}{16} = \frac{F}{20} = \frac{24}{G} = \frac{B}{40} = \frac{C}{60} = \frac{D}{80} = \frac{E}{100}$$






$$\frac{2}{5} = \frac{4}{D} = \frac{6}{E} = \frac{8}{F} = \frac{D}{25} = \frac{E}{40} = \frac{F}{50} = \frac{G}{75} = \frac{H}{100} = \frac{I}{200}$$









$$\frac{5}{6} = \frac{10}{J} = \frac{15}{A} = \frac{B}{24} = \frac{C}{30} = \frac{D}{42} = \frac{A}{60}$$




	A	B	C	D	E
F	11	20	8	19	15
G	18	30	25	10	32
H	6	17	40	35	75
I	50	9	80	60	16
J	21	13	45	23	12

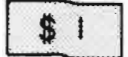


1  = 10  = 100 




			
	2.00	20	200
+	1.50		
<hr/>			
	A	B	C

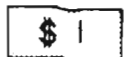


			
	2.10		
-	1.70	G	H
<hr/>			
	D	E	F




			
	2.50		
	x 2	x 2	x 2
<hr/>			
	A	B	C




			
	1.50		
	÷ 3	÷ 3	÷ 3
<hr/>			
	G	H	I

			
	1.25	12.5	
+			315
<hr/>			
	J	K	L

			
		27.1	
-			25
<hr/>			
	A	B	C

			
		15	
	x 10	x 10	x 10
<hr/>			
		H	I

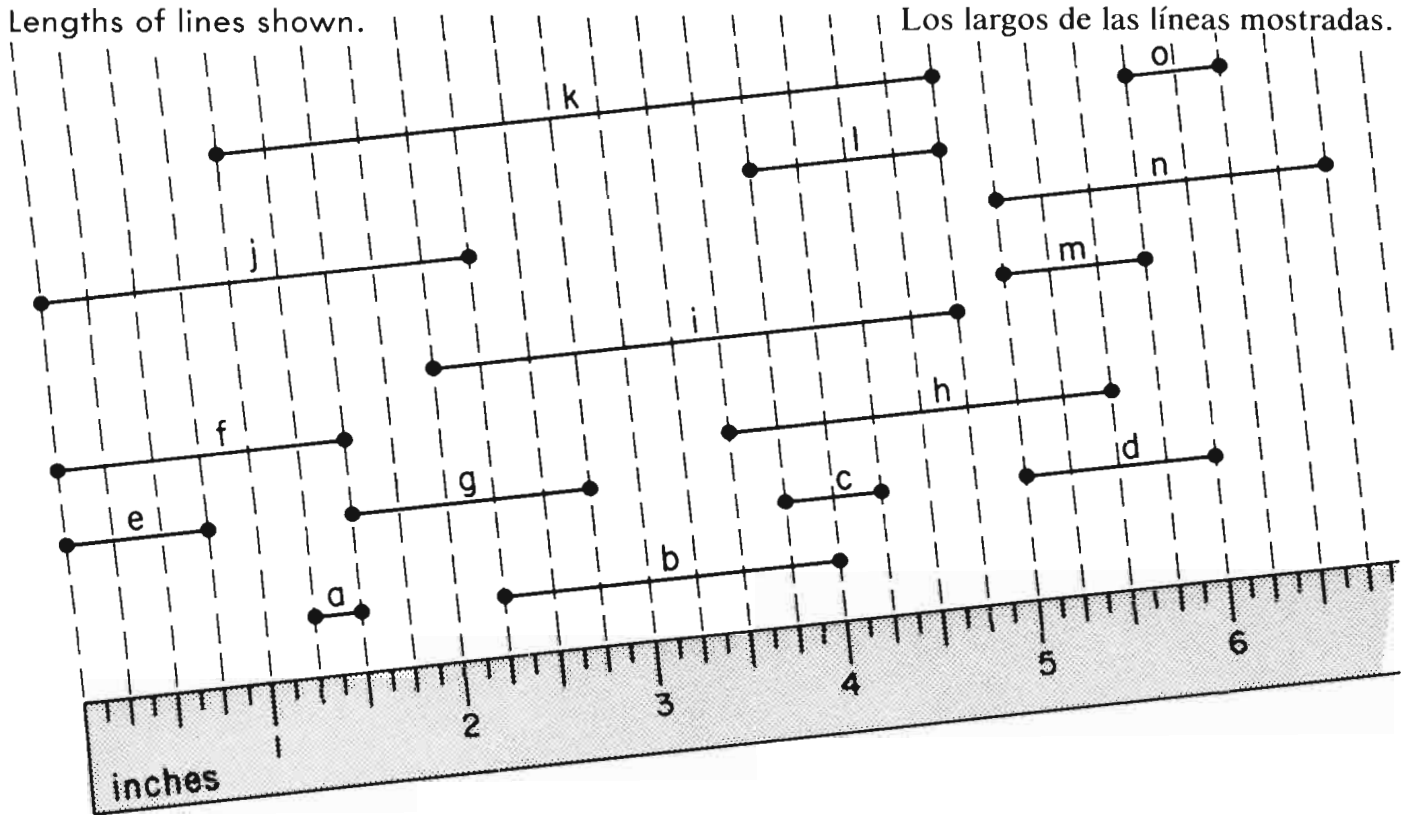
			
			150
	÷ 10	÷ 10	÷ 10
<hr/>			
	D	E	F

			
		47.5	
+			
<hr/>			
	J	K	L
			600

	A	B	C	D	E	F
G	14	.50	31.5	1500	21	15
H	3.50	150	500	210	4	5
I	2.46	50	246	.40	2.5	1500
J	18	35	6.00	4.40	1.5	4.75
K	5.00	44	12.5	.15	60	40
L	600	24.6	350	16	17	440

Lengths of lines shown.

Los largos de las líneas mostradas.

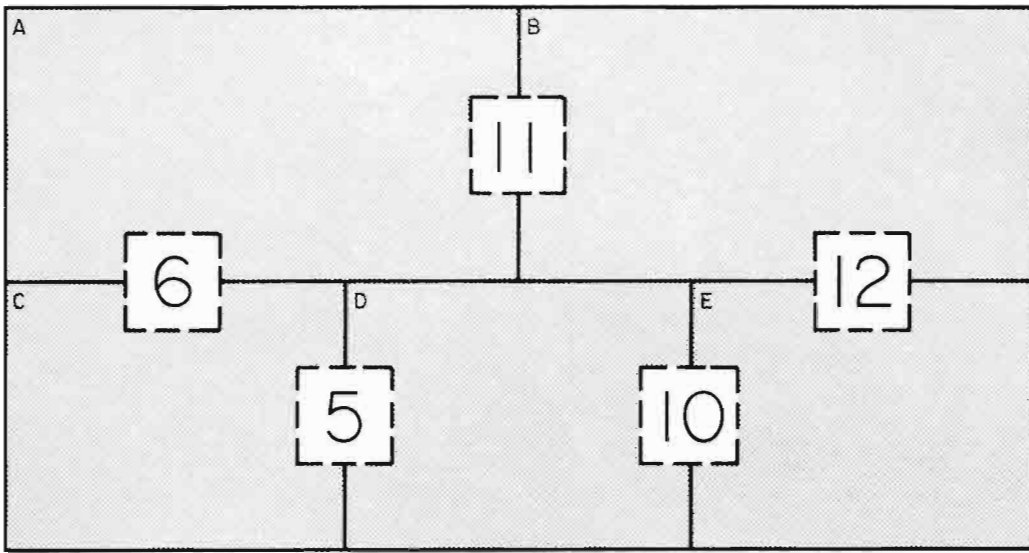


- a. $\frac{1}{4}$ in. d. _____ in. g. _____ in. j. _____ in. m. _____ in.
A D C B A
- b. _____ in. e. _____ in. h. _____ in. k. _____ in. n. _____ in.
B A D C B
- c. _____ in. f. _____ in. i. _____ in. l. _____ in. o. _____ in.
C B A D C

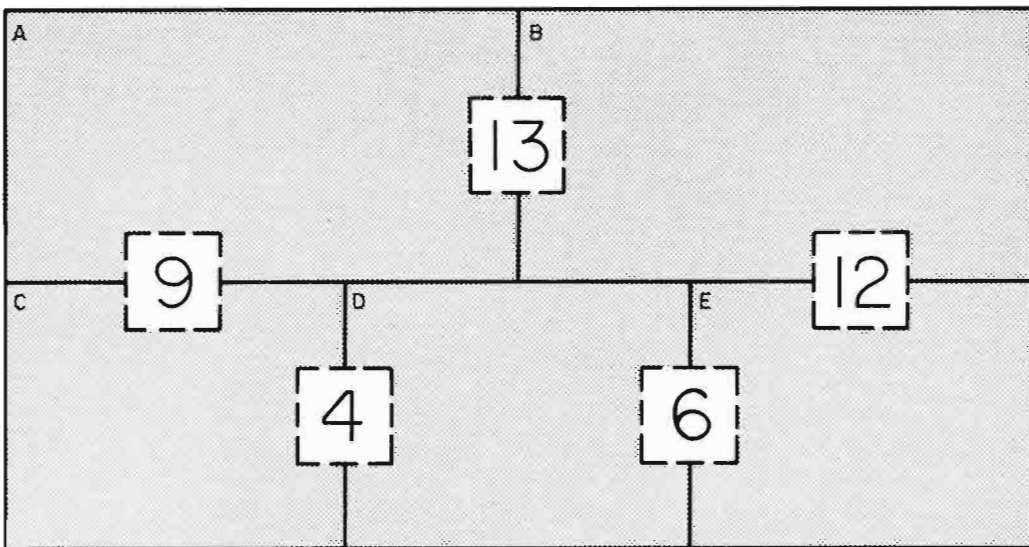
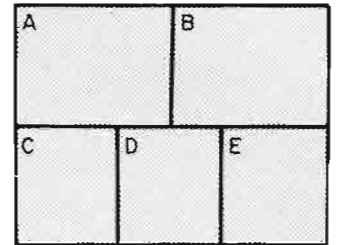
	$\frac{1}{3} \times A$	G	¢
	$\frac{2}{3} \times A$	H	¢
	$3 \times A$	J	\$.
A = _____ ¢			
$\frac{1}{4} \times A$	$10 \times A$		
I	¢	E	\$.
$2 \times A$	$\frac{3}{4} \times A$		
F	\$.	G	¢

	$T + 9^\circ$	C	°
	$T + 18^\circ$	B	°
	T = _____ °	A	°
$T - 9^\circ$	D	°	
$T - 33^\circ$	A	°	

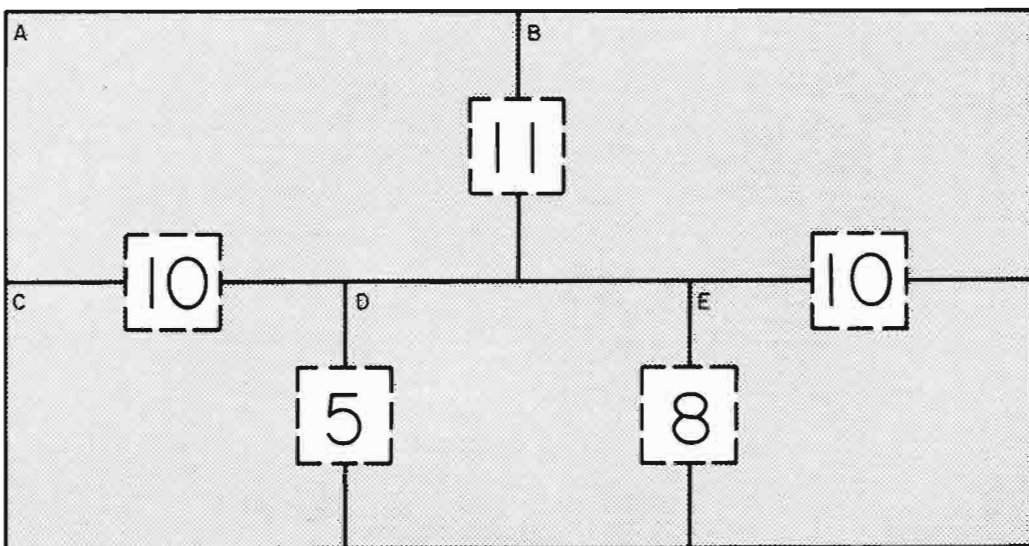
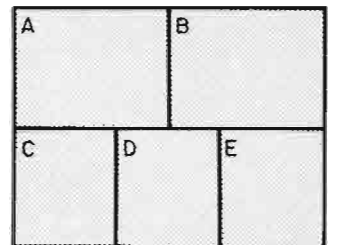
	A	B	C	D
E	32	83	72	7.20
F	$2\frac{3}{4}$	$1\frac{3}{4}$	$1\frac{1}{4}$	1.44
G	54	24	$\frac{1}{2}$	2
H	$\frac{1}{4}$	$1\frac{1}{2}$	74	48
I	65	$2\frac{1}{4}$	18	1
J	$\frac{3}{4}$	2.16	$3\frac{3}{4}$	56



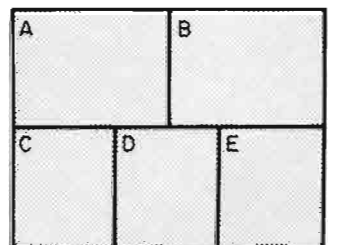
22 total



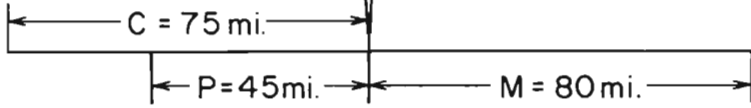
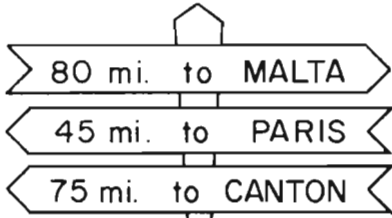
22 total



22 total



A	B	C	D	E
6	4	3	4	9
5	7	1	2	6
7	6	8	1	5



$C - P$	miles
$P + M$	miles
$\frac{2}{3} \times P$	miles
$50\% \times M$	miles
$2 \times (P + M)$	miles

C at 50 m.p.h.	hrs.	$2M$	miles
----------------	------	------	-------



How do you feel?
¿Cómo se siente?

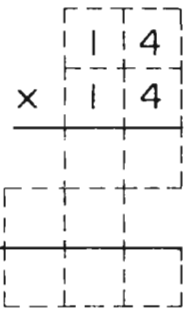
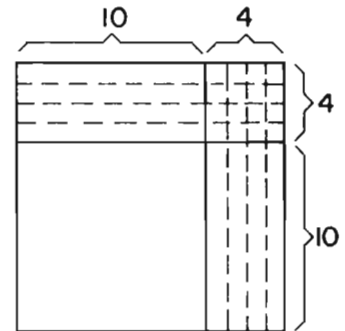
$\begin{array}{r} 9 \\ 8 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$	$8 \overline{)56}$
$\begin{array}{r} 100 \\ - 65 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ 17 \\ + 17 \\ \hline \end{array}$	$7 \overline{)63}$

$(8 \times 7) - (5 \times 9) = \underline{\hspace{2cm}}$

$\$ 2.10 \div 3 = \$ \underline{\hspace{2cm}}$

$\$ 2.10 \times 10 = \$ \underline{\hspace{2cm}}$

$100 \times 500 = \underline{\hspace{2cm}}$



$\frac{6}{4} = \frac{\hspace{1cm}}{2}$

$\frac{6}{9} = \frac{\hspace{1cm}}{3}$

$\frac{1}{4} = \frac{\hspace{1cm}}{12}$

$1\frac{1}{2} = \frac{\hspace{1cm}}{2}$

$2\frac{1}{4} = \frac{\hspace{1cm}}{4}$

$1\frac{2}{3} = \frac{\hspace{1cm}}{3}$

Sale

Tiles 24¢

Aluminum Strips 40¢

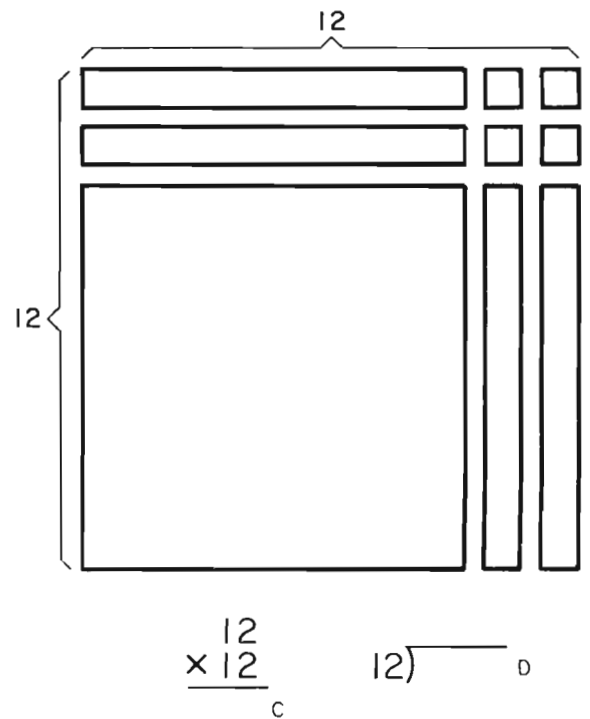
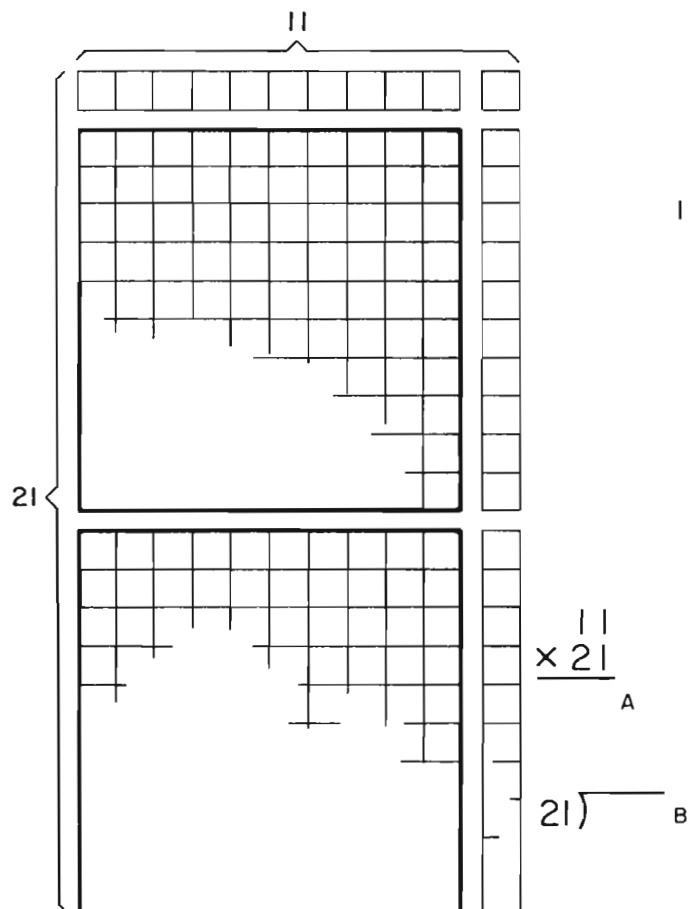
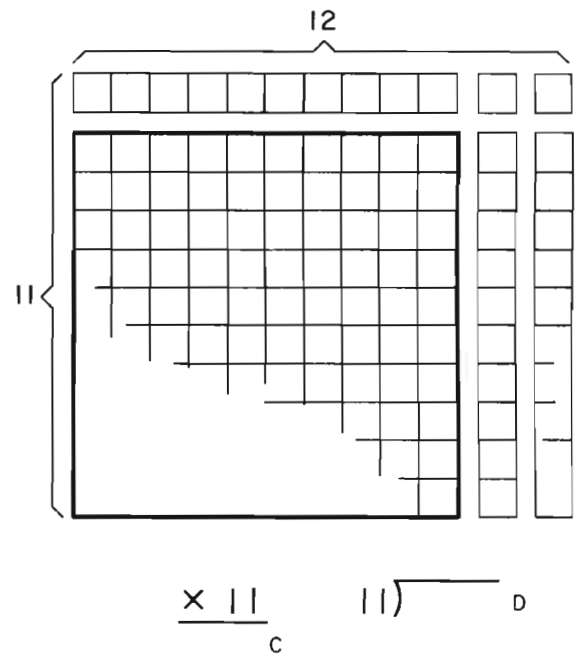
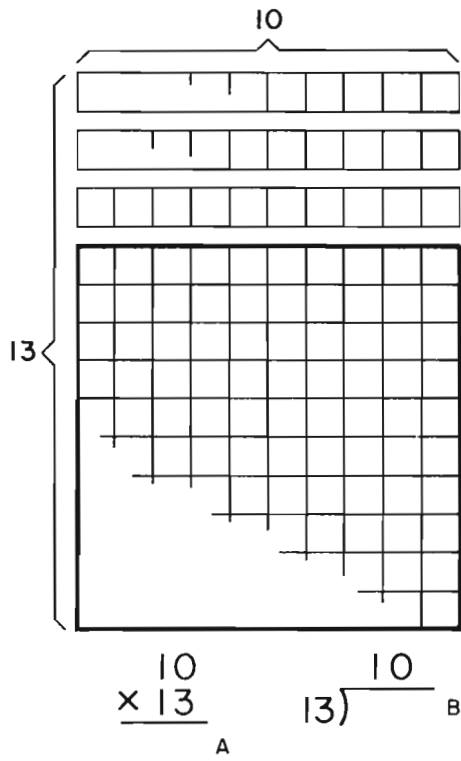
Paint
1 quart \$1.20

25% or $\frac{1}{4}$ off

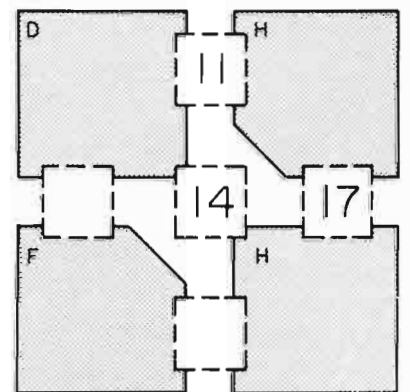
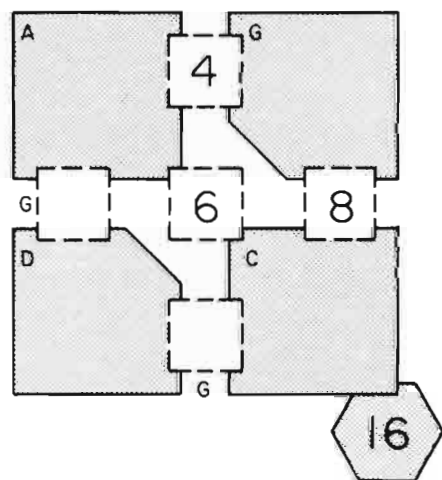
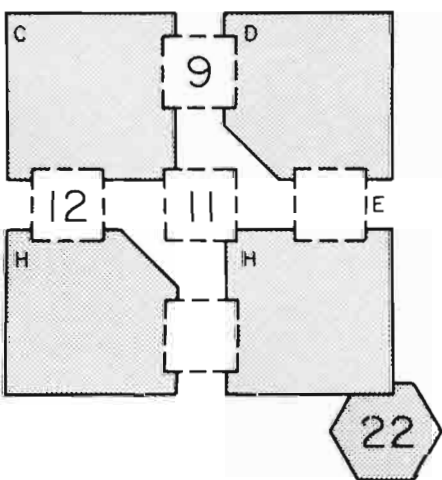
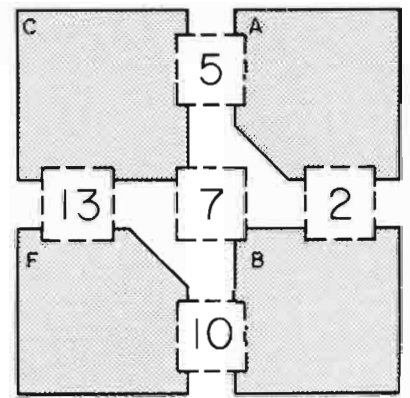
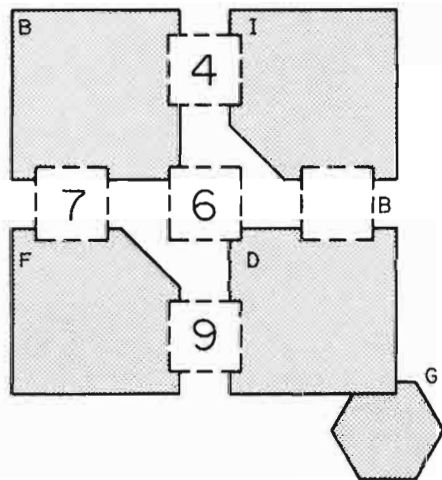
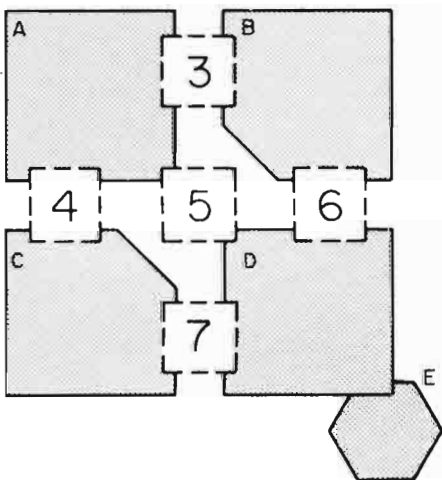
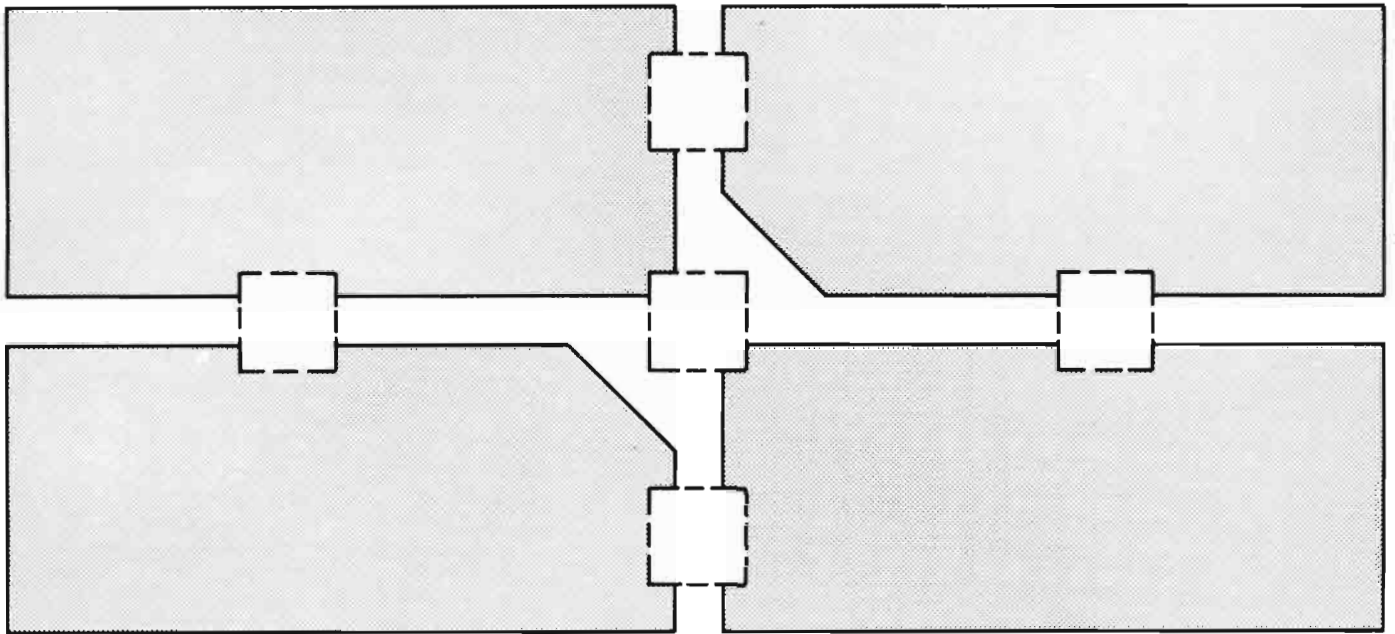
10 Tiles	Sale Price \$1.80	20 Aluminum Strips	Sale Price \$
8 Aluminum Strips	\$	$2\frac{1}{2}$ quarts Paint	\$
4 quarts Paint	\$	100 Tiles	\$
30 Tiles	\$	3 quarts Paint	\$

What Can You See?

¿Qué Puede Usted Ver?



A	B	C	D
231	130	136	144
130	231	132	136
231	230	144	132



	A	B	C	D	E	F
G	0	12	3	9	13	8
H	1	6	5	7	10	12
I	22	2	11	4	14	5

Fact Families

Familias de Cuentas

$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$ <small>A</small>	$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$ <small>B</small>	$6 \overline{)36}$ <small>C</small>	$9 \overline{)63}$ <small>D</small>
$7 \overline{)5}$	$8 \overline{)8}$	$5 \overline{)7}$	
$\underline{\quad \div 8 = 8}$	$\underline{36 \div \quad = 6}$		
$\underline{\quad \div 7 = 5}$	$\underline{63 \div \quad = 9}$		
$\begin{array}{r} \times 6 \\ \hline 36 \end{array}$	$\begin{array}{r} \times 9 \\ \hline 63 \end{array}$	$\begin{array}{r} \times 5 \\ \hline \end{array}$	$\begin{array}{r} \times 9 \\ \hline 63 \end{array}$
$\underline{\quad \times 6 = 36}$	$\underline{\quad \times 9 = 63}$		

$6 \overline{)72}$	$9 \overline{)126}$ <small>G</small>	$8 \overline{)128}$ <small>H</small>	
$\begin{array}{r} 16 \\ \times 8 \\ \hline \end{array}$ <small>I</small>	$\begin{array}{r} 14 \\ \times 5 \\ \hline \end{array}$ <small>J</small>	$\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$ <small>K</small>	$\begin{array}{r} 18 \\ \times 7 \\ \hline \end{array}$ <small>L</small>
$\underline{8 \times 9 = \quad}$ <small>F</small>	$\underline{8 \times 27 = \quad}$ <small>G</small>		
$\underline{8 \times 18 = \quad}$ <small>H</small>	$\underline{8 \times 36 = \quad}$ <small>I</small>		
$7 \overline{)350}$ <small>J</small>	$7 \overline{)42}$ <small>K</small>	$7 \overline{)392}$ <small>L</small>	
$9 \overline{)54}$ <small>F</small>	$9 \overline{)630}$ <small>I</small>	$9 \overline{)684}$ <small>K</small>	

1 gallon....

24 miles

$\frac{2}{3}$ gallon	
16 miles	
120 miles	36 miles
gallons <small>B</small>	gallons <small>A</small>
$2\frac{1}{2}$ gallons	360 miles
miles <small>C</small>	gallons <small>B</small>

SPEED LIMIT

55 m.p.h.

$S = 55$

$2S$	$2S$
m.p.h.	m.p.h.
$2S + \frac{1}{2}S$	$2S + \frac{1}{2}S$
m.p.h.	m.p.h.
$S + 5\frac{1}{2}$	$S - 7\frac{1}{2}$
m.p.h.	m.p.h.

	A	B	C	D	E
F	101	75	72	8	6
G	72	5	14	7	216
H	$1\frac{1}{2}$	35	$47\frac{1}{2}$	144	16
I	64	15	288	128	70
J	19	55	$60\frac{1}{2}$	70	50
K	16	72	60	6	76
L	110	56	6	84	126

Use only numbers from this list

Use solamente números de esta lista

3, 4, 5, 6, 7

A $(\quad \times 5) - (\quad \times 4) = 5$

A $(\quad \times 5) - (\quad \times 6) = 7$

B $(\quad \times 7) - (\quad \times 4) = 5$

B $(\quad \times 8) - (\quad \times 5) = 7$

C $(\quad \times 8) - (\quad \times 9) = 5$

C $(\quad \times 8) - (\quad \times 7) = 7$

D $(\quad \times 4) - (\quad \times 3) = 5$

D $(\quad \times 9) - (\quad \times 8) = 7$

E $(\quad \times 9) - (\quad \times 7) = 5$

E $(\quad \times 6) - (\quad \times 5) = 7$

Fence Arithmetic

Aritmética Usando Cercas

10's

5	5	2	3	7
1	2	5	3	1
4	7	3	2	2
1	2	4	3	5
7	3	3	5	5

15's

1	8	7	5	6
1	3	2	1	9
2	3	3	3	2
1	5	10	3	4
9	1	4	5	7

20's

3	4	10	1	4
7	3	5	5	8
6	4	5	3	8
7	7	9	1	4
3	6	3	3	1

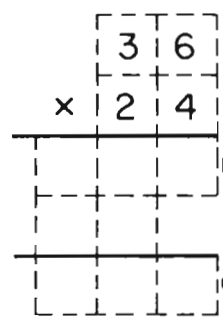
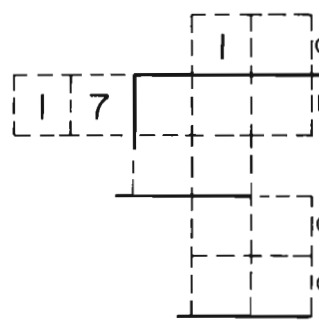
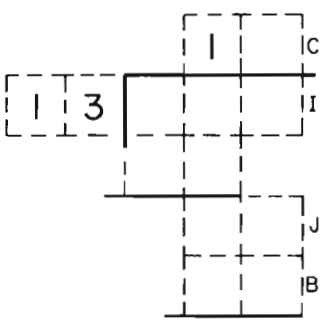
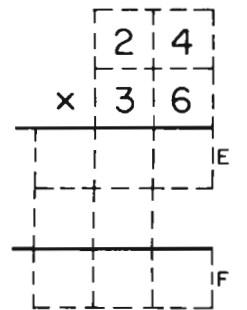
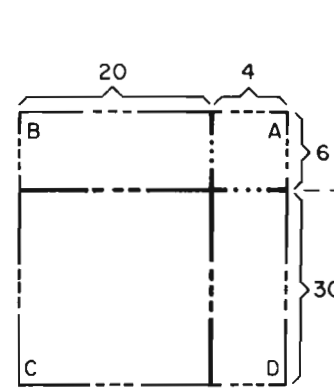
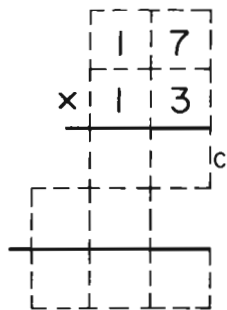
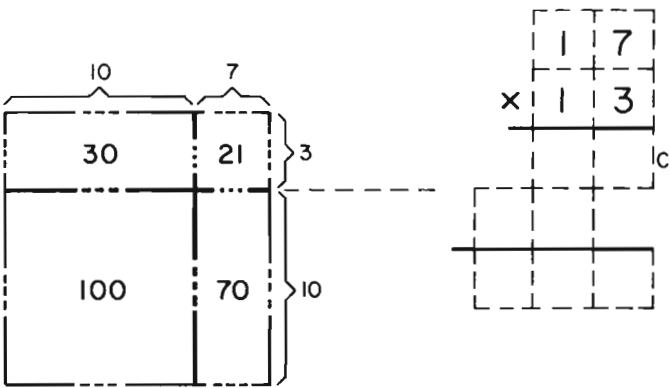
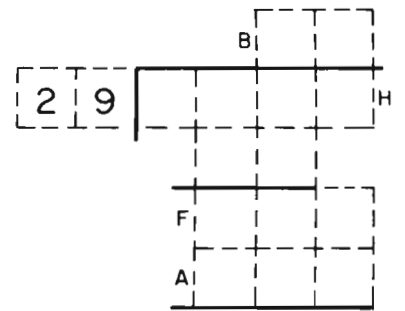
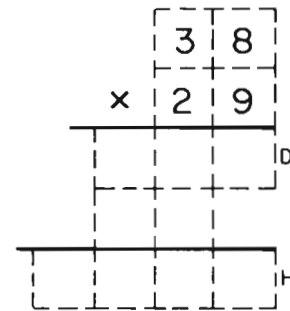
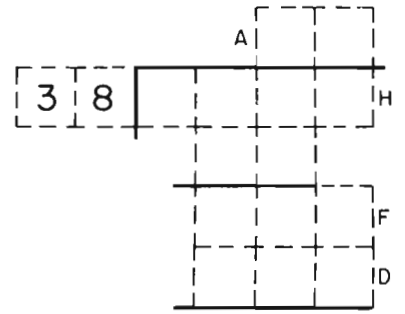
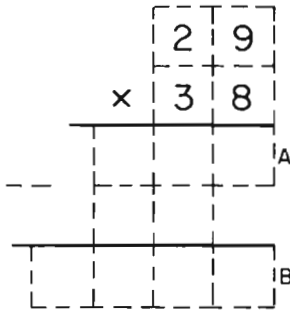
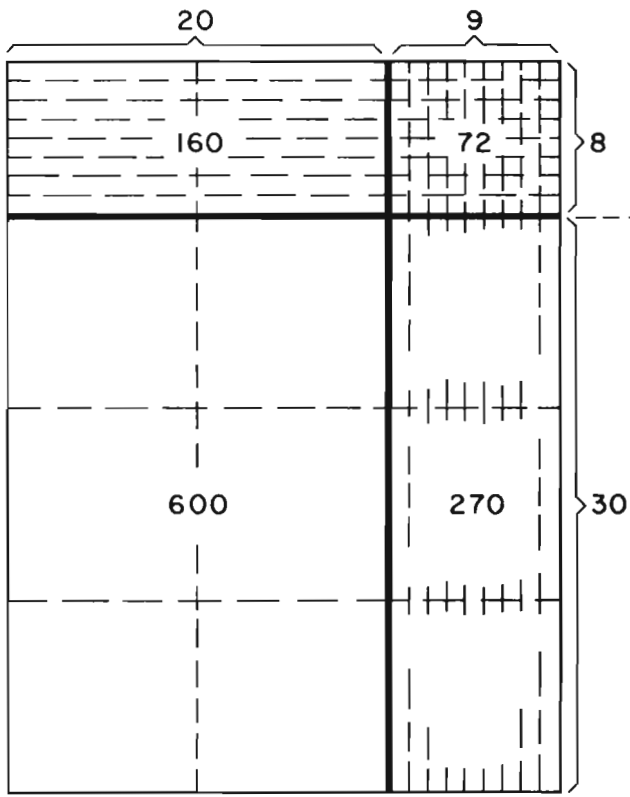
Loop Arithmetic

Aritmética de Lazo

- $5 \times 80 =$ _____ A
- $8 \times 50 =$ _____ B
- $5 \times 20 =$ _____ C
- $80 \times 20 =$ _____ D
- $50 \times 20 =$ _____ E
- $50 \times 80 =$ _____ A
- $50 \times 50 =$ _____ B
- $5 \times 800 =$ _____ C
- $50 \times 200 =$ _____ D
- $50 \times 500 =$ _____ E

4	4	4	4	4
4	4	4	4	4
6	6	6	6	6
6	6	6	6	6
9	9	9	9	9
A $\frac{9}{17}$	B $\frac{9}{20}$	C $\frac{9}{22}$	D $\frac{9}{21}$	E $\frac{9}{26}$

A	B	C	D	E
5,5	400	100	10,000	4,4,9,9
4,4,9	4,5	4,3	7,7	25,000
5,3	3,4	4,000	6,6,9	6,7
4,000	2,500	4,9,9	5,5	1,000
400	4,4,6,6	7,7	1600	7,7



	A	B	C	D
E	101	38	97	144
F	232	120	864	342
G	3	341	51	120
H	24	1102	600	1000
I	29	500	7	221
J	7	91	0	797

“Simplest Form” or “Lowest Terms” “La Forma más Sencilla” o “En Términos Reducidos”

$$\boxed{\frac{1}{2}} = \frac{C}{4} = \frac{A}{6} = \frac{I}{8} = \frac{C}{10}$$

$$\boxed{\frac{1}{6}} = \frac{K}{12} = \frac{L}{24} = \frac{E}{48}$$

$$\boxed{A} = \frac{14}{16} = \frac{H}{24} = \frac{H}{32}$$

$$\boxed{A} = \frac{2}{6} = \frac{M}{9} = \frac{L}{12} = \frac{M}{15}$$

$$\boxed{C} = \frac{10}{12} = \frac{E}{18} = \frac{J}{36}$$

$$\boxed{1\frac{1}{2}} = \frac{M}{2} = \frac{L}{4} = \frac{F}{8}$$

$$\boxed{\frac{2}{3}} = \frac{I}{6} = \frac{L}{9} = \frac{K}{12} = \frac{J}{15}$$

$$\boxed{D} = \frac{2}{16} = \frac{I}{32} = \frac{K}{64}$$

$$\boxed{B} = \frac{4}{3} = \frac{E}{6} = \frac{I}{12}$$

$$\boxed{B} = \frac{2}{8} = \frac{A}{12} = \frac{D}{40} = \frac{A}{100}$$

$$\boxed{E} = \frac{6}{16} = \frac{M}{24} = \frac{J}{32}$$

$$\boxed{C} = \frac{5}{4} = \frac{J}{8} = \frac{E}{12}$$

$$\boxed{\frac{3}{4}} = \frac{G}{8} = \frac{H}{12} = \frac{B}{80} = \frac{D}{100}$$

$$\boxed{F} = \frac{10}{16} = \frac{J}{24} = \frac{K}{32}$$

$$\boxed{D} = \frac{7}{6} = \frac{F}{12} = \frac{K}{18}$$

$\frac{3}{4} = \frac{\quad}{G}$ $\frac{3}{8} = \frac{\quad}{\quad}$ <hr/> $\boxed{L} = \frac{\quad}{\quad}$	$\frac{3}{2} = \frac{\quad}{L}$ $\frac{1}{4} = \frac{\quad}{\quad}$ <hr/> $\boxed{L} = \frac{\quad}{\quad}$
$\frac{1}{2} = \frac{\quad}{M}$ $\frac{1}{3} = \frac{\quad}{\quad}$ <hr/> $\boxed{J} = \frac{\quad}{\quad}$	$\frac{3}{2} = \frac{\quad}{I}$ $\frac{1}{3} = \frac{\quad}{\quad}$ <hr/> $\boxed{M} = \frac{\quad}{\quad}$

$$\frac{3}{4} + \frac{1}{2} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} = \boxed{G}$$

$$\frac{1}{2} + \frac{1}{3} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} = \boxed{J}$$

$$\frac{5}{8} + \frac{1}{4} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} = \boxed{A}$$

$$\frac{2}{3} + \frac{2}{3} = \frac{\quad}{\quad} = \boxed{B}$$

$$\frac{3}{8} + \frac{3}{4} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} = \boxed{H}$$

	A	B	C	D	E	F	G	H	I
J	25	$\frac{2}{4}$	$\frac{5}{6}$	10	15	12	$\frac{1}{6}$	$1\frac{1}{8}$	30
K	$\frac{7}{8}$	$\frac{1}{4}$	2	$\frac{1}{8}$	8	20	$\frac{6}{8}$	21	16
L	$\frac{1}{3}$	60	$1\frac{1}{4}$	75	$\frac{3}{8}$	14	6	$\frac{6}{4}$	4
M	3	$1\frac{1}{3}$	5	$1\frac{1}{6}$	$\frac{3}{6}$	$\frac{5}{8}$	$\frac{5}{4}$	9	$\frac{9}{6}$

1 Meter (M) = 10 Decimeters (D) = 100 Centimeters (Cm)

	Meters	Deci - M	Centi - M
	7		
	----- D		E
+	3		
	----- F		G
<hr/>			
	A	B	C

	M	D	Cm
		15	
	----- A		B C
+	4.5		
	----- J		K
<hr/>			
	D	E	F

	M	D	Cm
	2.0		
	----- G		H
-	.5		
	----- I		J
<hr/>			
	A	B	C

	M	D	Cm
		10.0	
	----- G		B
-	.25		
	----- G		H
<hr/>			
	D	E	F

	M	D	Cm
	7.1		
	----- A		
	x 2	x 2	x 2
<hr/>			
	A	B	C

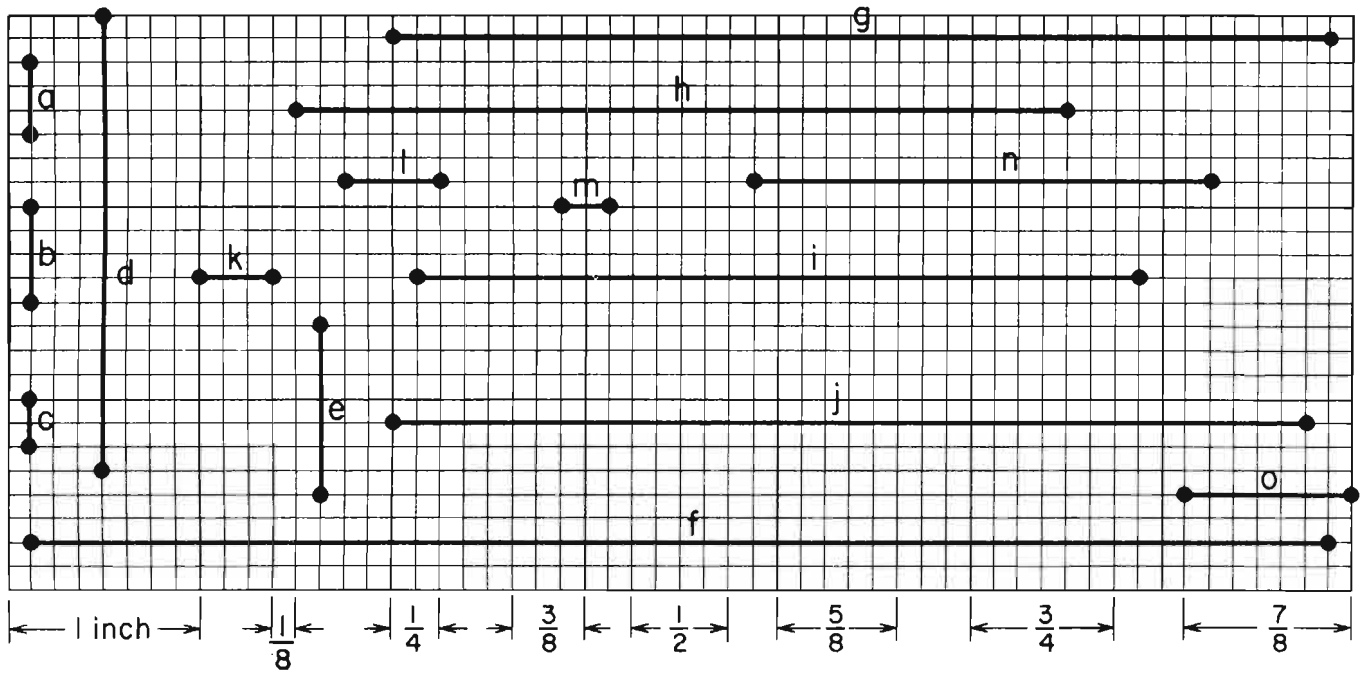
	M	D	Cm
			300
	----- I		G
	÷ 2	÷ 2	÷ 2
<hr/>			
	A	B	C

	M	D	Cm
			75
	----- D		K
	x 10	x 10	x 10
<hr/>			
	E	F	G

	M	D	Cm
		10	
	----- G		B
	÷ 10	÷ 10	÷ 10
<hr/>			
	A	B	I

	M	D	Cm
			25
	----- B		D
+			75
	----- D		E
<hr/>			
	G	I	H

	A	B	C	D	E	F
G	20	1	300	2.5	30	750
H	14.2	100	150	200	25	600
I	10	.25	3	.75	5	75
J	71	4.5	50	70	60	30
K	1.5	142	1000	45	7.5	?
L	.1	15	1420	6	700	450



Lengths of lines shown.

Los largos de las líneas mostradas.

a. _____ in.
A

d. _____ in.
D

g. _____ in.
G

j. _____ in.
J

m. _____ in.
C

b. _____ in.
B

e. _____ in.
E

h. _____ in.
H

k. _____ in.
A

n. _____ in.
D

c. _____ in.
C

f. _____ in.
F

i. _____ in.
I

l. _____ in.
B

o. _____ in.
E

sec.

T = 45 sec.

$2 \times T$	sec.
$\frac{1}{2} \times T$	sec.
$T + 17$	sec.
$\frac{1}{3} \times T$	sec.
$T - 17$	sec.
$\frac{1}{5} \times T$	sec.
$\frac{4}{5} \times T$	sec.

m.p.h.

S = _____ m.p.h.

$2S$	m.p.h.
$S + 18$	m.p.h.
$S - 8$	m.p.h.
$\frac{1}{2}S$	m.p.h.

	A	B	C	D
E	$12\frac{1}{2}$	9	$\frac{7}{8}$	17
F	$\frac{3}{8}$	15	62	$6\frac{3}{4}$
G	45	$\frac{1}{2}$	$4\frac{7}{8}$	28
H	4	50	90	$2\frac{3}{8}$
I	25	$3\frac{3}{4}$	43	$22\frac{1}{2}$
J	$\frac{1}{3}$	$\frac{1}{8}$	$\frac{1}{4}$	$4\frac{3}{4}$

15% were not completed

$$15\% = \frac{15}{100} = .15$$

15% no se completaron

Examples	Ejemplos	100	20			D	180		F
Not Completed	No Completados			6					
Completed	Completados					51			68
		A	B	C			E		

20% discount

$$20\% = \frac{20}{100} = \frac{2}{10} = .20 = .2 = \frac{1}{5}$$

20% de descuento

Regular Price	Precio Regular	\$ 5	\$.	\$ 7.50	\$.	\$
Discount	Descuento	\$	\$.30	\$.	\$ 1.80	\$
Sale Price	Precio de Venta	\$	\$.	\$.	\$.	\$ 24
		A	B	C	D	C

We won 70% of our games

$$70\% = \frac{70}{100} = \frac{7}{10} = .70 = .7$$

Ganamos 70% de nuestros juegos

Games played	Número de juegos	10	50			D	C	120	G
Games won	Los juegos ganados			70	42				
Games lost	Los juegos perdidos						9		45
		A	B	C	D		F		

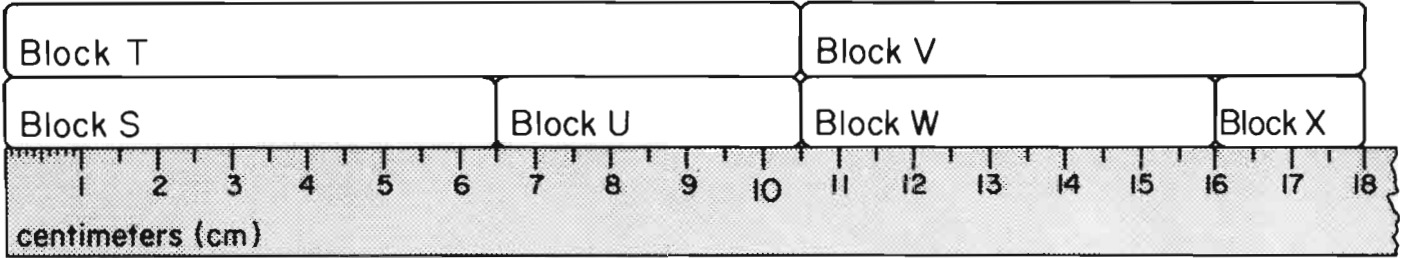
Dog food
75% beef

$$75\% = \frac{75}{100} = .75 = \frac{3}{4}$$

Carne para perros
75% Carne de res

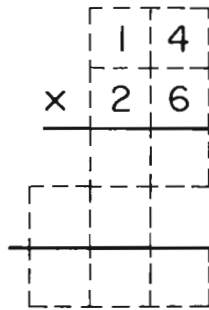
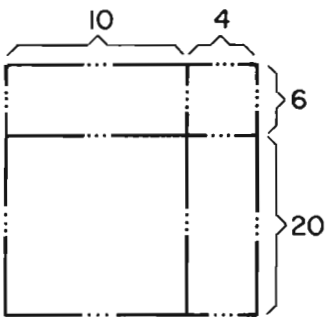
in pounds:	en libras					
Total	Total	4	100			
Beef	Res				33	
Other	Otra			10		21
		A	B		C	A

	A	B	C	D
E	1	1.50	9.00	153
F	85	36	6.00	80
G	11	1.20	34	150
H	4	15	40	7.20
I	44	25	30	60
J	3	17	84	18

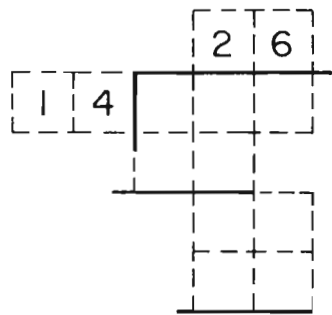
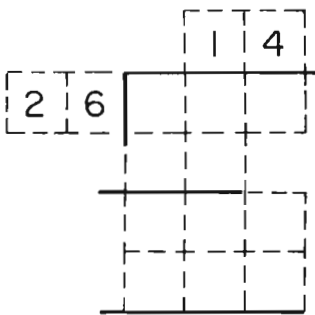


How do you feel?
¿Cómo se siente?

U	cm	W	cm	S + U	cm
W + X	cm	T + V	cm	U + W + X	cm



$$\begin{array}{r}
 12 \quad 41 \quad 23 \quad 57 \quad 69 \\
 12 \quad 41 \quad 23 \quad 57 \quad 69 \\
 12 \quad 41 \quad 23 \quad 57 \quad 69 \\
 + 12 \quad + 41 \quad + 23 \quad + 57 \quad + 69 \\
 \hline
 \end{array}$$



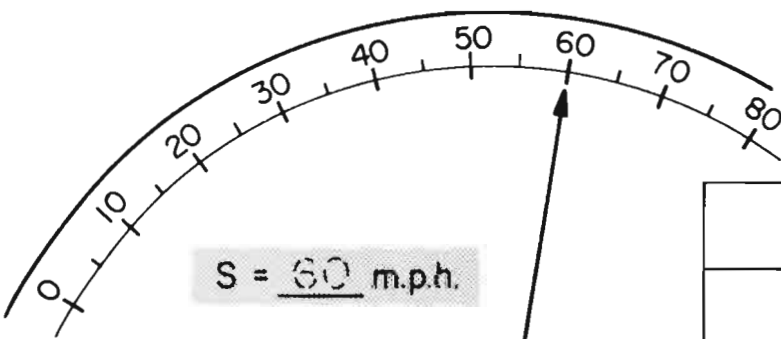
$$4 \times 800 = \underline{\quad\quad\quad} \quad 60 \times 50 = \underline{\quad\quad\quad}$$

$$(\quad \times 8) - (\quad \times 6) = 10$$

$$\frac{2}{3} = \frac{\quad}{6} \quad \frac{1}{8} = \frac{\quad}{32} \quad \frac{1}{4} = \frac{\quad}{4}$$

$$\frac{5}{8} + \frac{1}{4} = \frac{\quad}{8} + \frac{\quad}{8} = \frac{\quad}{8}$$

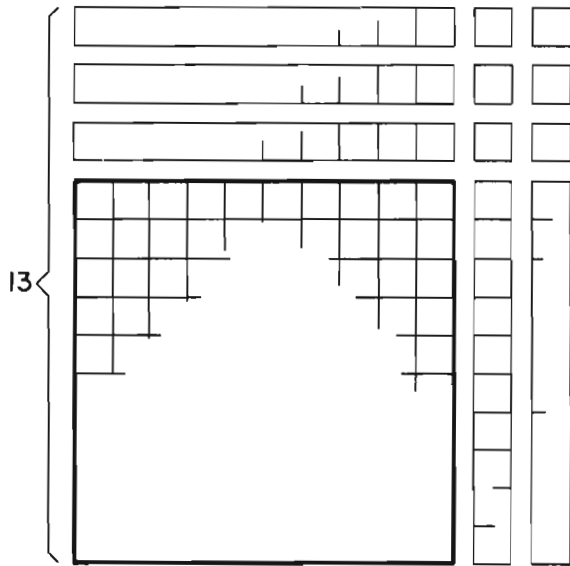
$$\frac{5}{6} - \frac{1}{3} = \frac{\quad}{6} - \frac{\quad}{6} = \frac{\quad}{6} = \underline{\quad\quad}$$



	S - 55	m.p.h.
	$S - (\frac{1}{3} \times S)$	m.p.h.
$\frac{3}{4} \times S$	$(2 \times S) + (\frac{1}{2} \times S)$	m.p.h.
$\frac{1}{3} \times 45$ miles	S - 18	m.p.h.

What Can You see?

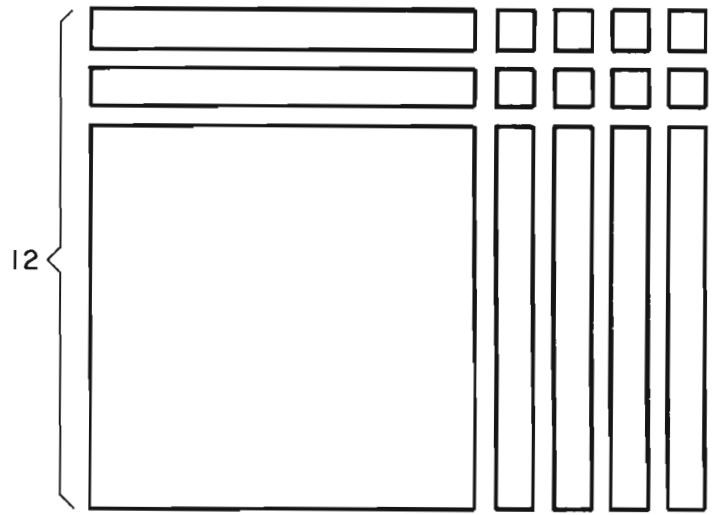
¿Qué Puede Usted Ver?



$$\begin{array}{r} 12 \\ \times 13 \\ \hline \end{array}$$

A

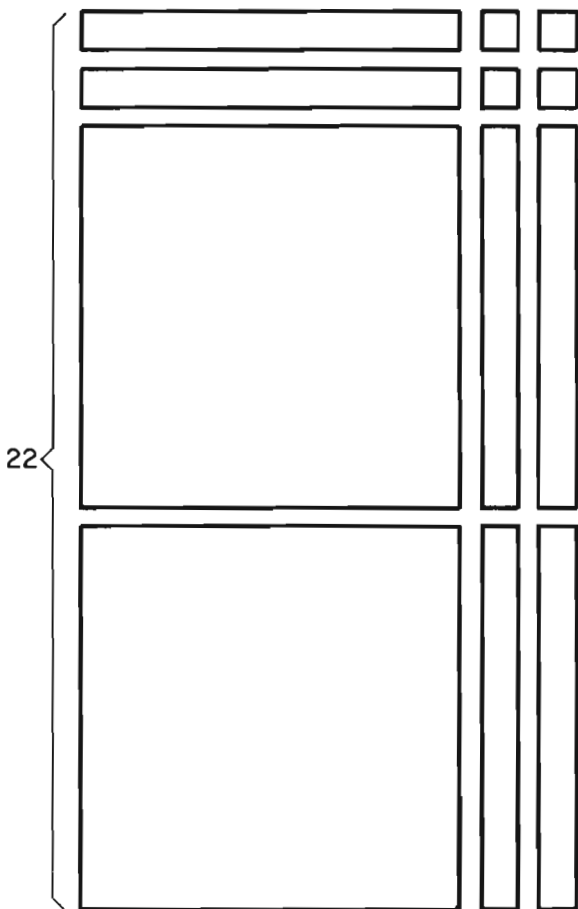
$$13 \overline{) \quad \quad \quad} B$$



$$\begin{array}{r} \times 12 \\ \hline \end{array}$$

C

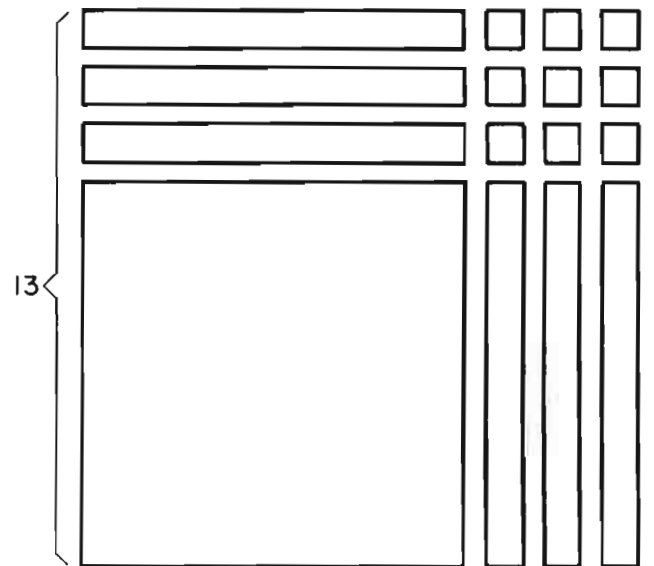
$$12 \overline{) \quad \quad \quad} D$$



$$\begin{array}{r} \times 22 \\ \hline \end{array}$$

C

$$22 \overline{) \quad \quad \quad} D$$



$$\begin{array}{r} \times 13 \\ \hline \end{array}$$

A

$$13 \overline{) \quad \quad \quad} B$$

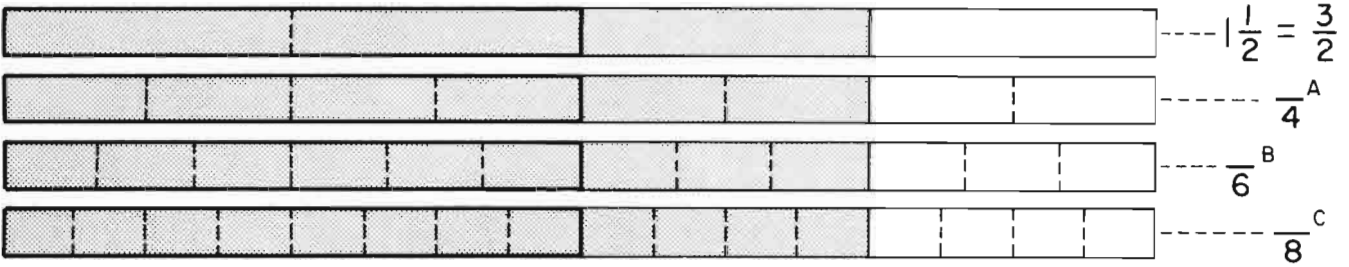
A	B	C	D
172	156	264	152
169	172	168	264
156	169	152	168

Can you see the patterns?

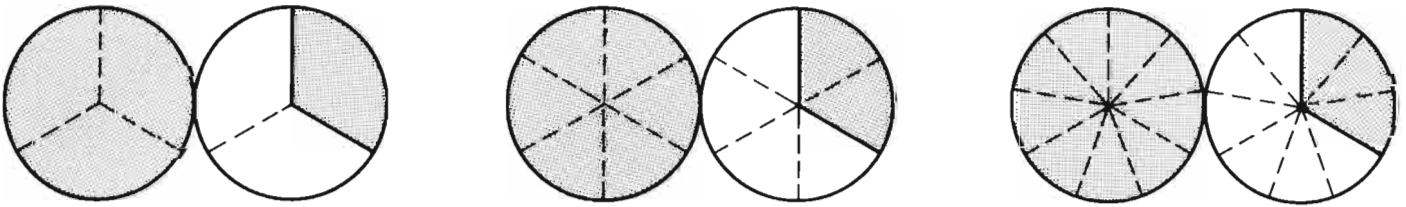
Can you extend them?

¿Puede usted ver las muestras?

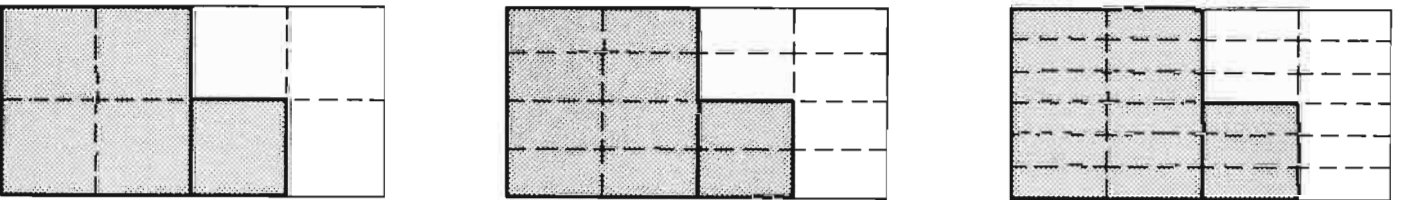
¿Puede usted extenderlas?



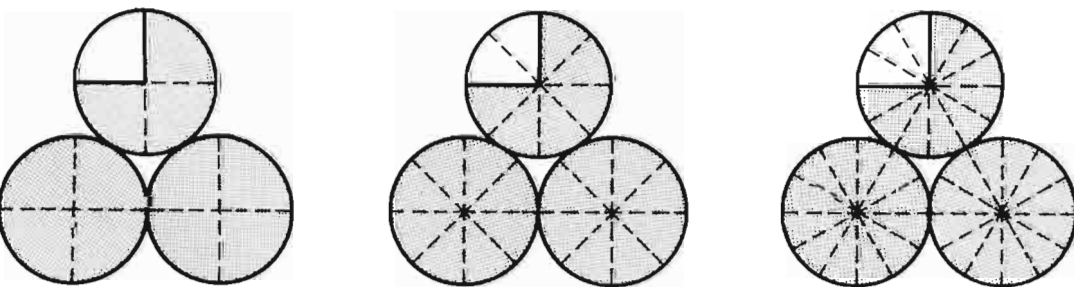
$$1\frac{1}{2} = \frac{3}{2} = \frac{6}{4} = \frac{9}{6} = \frac{12}{8} = \frac{15}{10} = \frac{18}{12} = \frac{21}{14} = \frac{24}{16} = \frac{27}{18} = \frac{30}{20} = \frac{33}{22} = \frac{36}{24} = \frac{39}{26} = \frac{42}{28} = \frac{45}{30} = \frac{48}{32} = \frac{51}{34} = \frac{54}{36} = \frac{57}{38} = \frac{60}{40} = \frac{63}{42} = \frac{66}{44} = \frac{69}{46} = \frac{72}{48} = \frac{75}{50} = \frac{78}{52} = \frac{81}{54} = \frac{84}{56} = \frac{87}{58} = \frac{90}{60} = \frac{93}{62} = \frac{96}{64} = \frac{99}{66} = \frac{102}{68} = \frac{105}{70} = \frac{108}{72} = \frac{111}{74} = \frac{114}{76} = \frac{117}{78} = \frac{120}{80} = \frac{123}{82} = \frac{126}{84} = \frac{129}{86} = \frac{132}{88} = \frac{135}{90} = \frac{138}{92} = \frac{141}{94} = \frac{144}{96} = \frac{147}{98} = \frac{150}{100}$$



$$1\frac{1}{3} = \frac{4}{3} = \frac{8}{6} = \frac{12}{9} = \frac{16}{12} = \frac{20}{15} = \frac{24}{18} = \frac{28}{21} = \frac{32}{24} = \frac{36}{27} = \frac{40}{30} = \frac{44}{33} = \frac{48}{36} = \frac{52}{39} = \frac{56}{42} = \frac{60}{45} = \frac{64}{48} = \frac{68}{51} = \frac{72}{54} = \frac{76}{57} = \frac{80}{60} = \frac{84}{63} = \frac{88}{66} = \frac{92}{69} = \frac{96}{72} = \frac{100}{75} = \frac{104}{78} = \frac{108}{81} = \frac{112}{84} = \frac{116}{87} = \frac{120}{90} = \frac{124}{93} = \frac{128}{96} = \frac{132}{99} = \frac{136}{102} = \frac{140}{105} = \frac{144}{108} = \frac{148}{111} = \frac{152}{114} = \frac{156}{117} = \frac{160}{120} = \frac{164}{123} = \frac{168}{126} = \frac{172}{129} = \frac{176}{132} = \frac{180}{135} = \frac{184}{138} = \frac{188}{141} = \frac{192}{144} = \frac{196}{147} = \frac{200}{150}$$



$$1\frac{1}{4} = \frac{5}{4} = \frac{10}{8} = \frac{15}{12} = \frac{20}{16} = \frac{25}{20} = \frac{30}{24} = \frac{35}{28} = \frac{40}{32} = \frac{45}{36} = \frac{50}{40} = \frac{55}{44} = \frac{60}{48} = \frac{65}{52} = \frac{70}{56} = \frac{75}{60} = \frac{80}{64} = \frac{85}{68} = \frac{90}{72} = \frac{95}{76} = \frac{100}{80} = \frac{105}{84} = \frac{110}{88} = \frac{115}{92} = \frac{120}{96} = \frac{125}{100} = \frac{130}{104} = \frac{135}{108} = \frac{140}{112} = \frac{145}{116} = \frac{150}{120} = \frac{155}{124} = \frac{160}{128} = \frac{165}{132} = \frac{170}{136} = \frac{175}{140} = \frac{180}{144} = \frac{185}{148} = \frac{190}{152} = \frac{195}{156} = \frac{200}{160}$$



$$2\frac{3}{4} = \frac{11}{4} = \frac{22}{8} = \frac{33}{12} = \frac{44}{16} = \frac{55}{20} = \frac{66}{24} = \frac{77}{28} = \frac{88}{32} = \frac{99}{36} = \frac{110}{40} = \frac{121}{44} = \frac{132}{48} = \frac{143}{52} = \frac{154}{56} = \frac{165}{60} = \frac{176}{64} = \frac{187}{68} = \frac{198}{72} = \frac{209}{76} = \frac{220}{80} = \frac{231}{84} = \frac{242}{88} = \frac{253}{92} = \frac{264}{96} = \frac{275}{100} = \frac{286}{104} = \frac{297}{108} = \frac{308}{112} = \frac{319}{116} = \frac{330}{120} = \frac{341}{124} = \frac{352}{128} = \frac{363}{132} = \frac{374}{136} = \frac{385}{140} = \frac{396}{144} = \frac{407}{148} = \frac{418}{152} = \frac{429}{156} = \frac{440}{160}$$

	A	B	C	D
E	29	20	18	75
F	28	9	125	30
G	6	40	90	15
H	80	150	12	55
I	120	8	275	16

Fact Families

Familias de Cuentas

$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$ <small>A</small>	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$ <small>B</small>	$9 \overline{)72}$ <small>C</small>	$5 \overline{)45}$ <small>D</small>
---	---	-------------------------------------	-------------------------------------

$6 \overline{)7}$	$8 \overline{)4}$	$9 \overline{)72}$
$\underline{\quad \times 9 = 72}$	$\underline{\quad \div 7 = 6}$	
$\underline{5 \times \quad = 45}$	$\underline{\quad \div 4 = 8}$	

$\begin{array}{r} \times 9 \\ 72 \end{array}$	$\begin{array}{r} \times 5 \\ 45 \end{array}$	$\begin{array}{r} \times 6 \\ 7 \end{array}$	$\begin{array}{r} \times 8 \\ 4 \end{array}$
$\underline{6 \times 7 = \quad}$	$\underline{\quad \div 8 = 4}$		

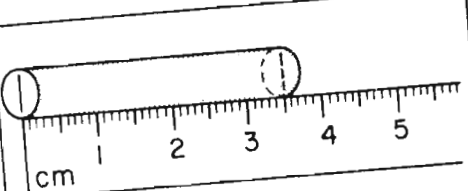
$9 \overline{)90}$	$9 \overline{)360}$ <small>F</small>	$9 \overline{)720}$ <small>G</small>
--------------------	--------------------------------------	--------------------------------------

$\begin{array}{r} \times 8 \\ \times 8 \end{array}$ <small>H</small>	$\begin{array}{r} 16 \\ \times 8 \end{array}$ <small>I</small>	$\begin{array}{r} 32 \\ \times 8 \end{array}$ <small>J</small>	$\begin{array}{r} 64 \\ \times 8 \end{array}$ <small>K</small>
--	--	--	--

$\underline{7 \times 60 = \quad}$ <small>D</small>	$\underline{70 \times 60 = \quad}$ <small>E</small>
$\underline{14 \times 60 = \quad}$ <small>F</small>	$\underline{700 \times 6 = \quad}$ <small>I</small>

$5 \overline{)450}$ <small>D</small>	$5 \overline{)445}$ <small>E</small>	$5 \overline{)440}$ <small>F</small>
--------------------------------------	--------------------------------------	--------------------------------------

$5 \overline{)225}$ <small>I</small>	$5 \overline{)890}$ <small>J</small>	$5 \overline{)220}$ <small>K</small>
--------------------------------------	--------------------------------------	--------------------------------------



1 centimeter (cm) =
10 millimeters (mm) =
.1 of a decimeter (D)

L = 3.5 cm

L	2 × L
• D	mm
3 × L	85 cm
cm	• D

Pencils..... 4¢
Erasers..... 3¢
Notebooks...16¢

Lápices..... 4¢
Borradores..3¢
Cuadernos...16¢

50¢
C P, E, N
23¢
A P, E, N
27¢
B P, E, N
37¢
C P, E, N

	A	B	C	D	E
F	0,1,1	40	10	840	88
G	70	32	1,2,2	420	80
H	1,2,1	2,1,1	10½	90	64
I	42	128	1,3,3	45	4200
J	3,5	.7	3,2,2	256	178
K	1,2,3	512	8	44	89
L	1,1,1	.35	10.5	9	4600

Use only numbers from this list

Use solamente números de esta lista

3 4 5 6 7 8 or 9

A $(\quad \times 6) - (\quad \times 7) = \underline{3}$

A $(\quad \times 7) - (\quad \times 8) = \underline{4}$

B $(\quad \times 9) - (\quad \times 4) = \underline{3}$

B $(\quad \times 5) - (\quad \times 7) = \underline{4}$

C $(\quad \times 7) - (\quad \times 5) = \underline{3}$

C $(\quad \times 7) - (\quad \times 9) = \underline{4}$

D $(\quad \times 9) - (\quad \times 7) = \underline{3}$

D $(\quad \times 8) - (\quad \times 5) = \underline{4}$

E $(\quad \times 5) - (\quad \times 8) = \underline{3}$

E $(\quad \times 5) - (\quad \times 9) = \underline{4}$

Fence Arithmetic

Aritmética Usando Cercas

16's

3	4	3	2	2
9	7	4	6	8
4	5	7	3	8
3	6	1	5	5
7	9	6	10	1

17's

2	5	1	4	6
2	1	9	3	3
2	3	8	2	8
10	7	2	4	9
2	1	4	3	1

18's

2	1	8	4	5
7	9	9	9	10
11	4	2	3	3
1	5	7	4	1
2	4	6	5	4

Loop Arithmetic

Aritmética de Lazo

$4 \times 70 = \underline{\hspace{2cm}}$ A

$5 \times 60 = \underline{\hspace{2cm}}$ B

$9 \times 40 = \underline{\hspace{2cm}}$ C

$80 \times 50 = \underline{\hspace{2cm}}$ D

$70 \times 60 = \underline{\hspace{2cm}}$ E

$2 \times 75 = \underline{\hspace{2cm}}$ A

$4 \times 25 = \underline{\hspace{2cm}}$ B

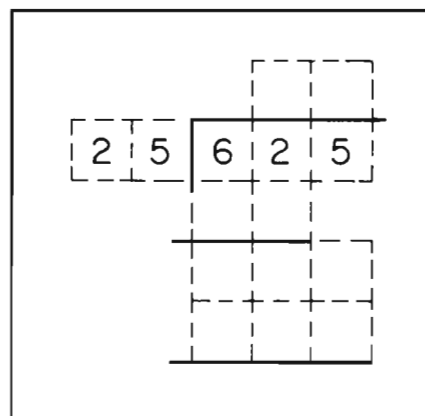
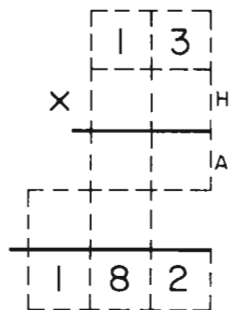
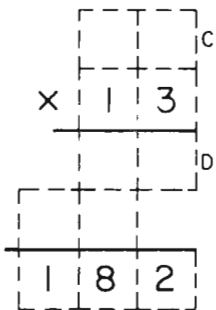
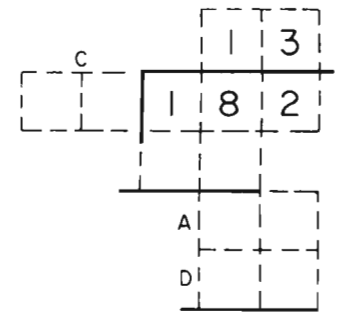
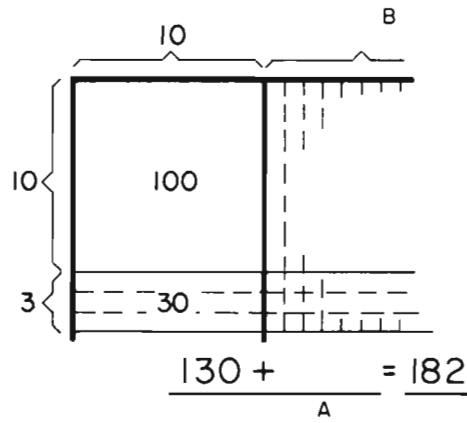
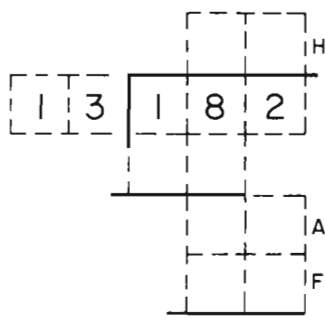
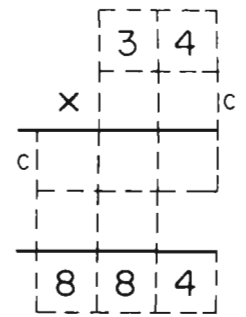
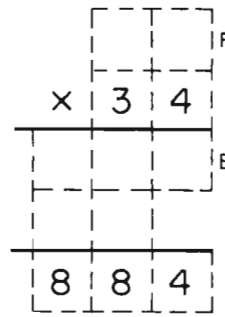
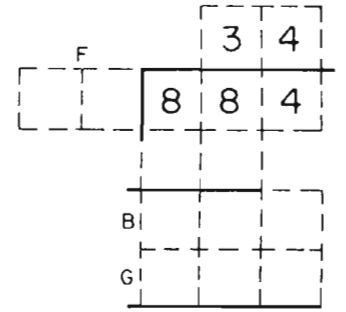
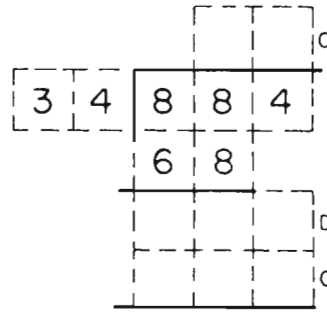
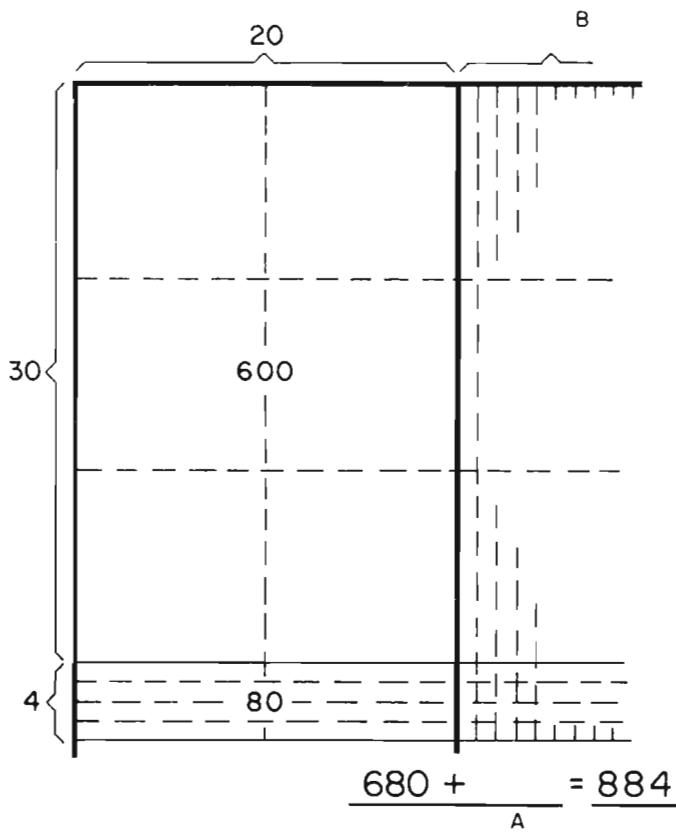
$20 \times 750 = \underline{\hspace{2cm}}$ C

$80 \times 25 = \underline{\hspace{2cm}}$ D

$80 \times 90 = \underline{\hspace{2cm}}$ E

	1	1	2	1	2
	3	2	3	2	3
	3	4	4	4	4
	9	9	9	8	8
	9	9	9	8	8
A	$\frac{9}{16}$	B $\frac{9}{22}$	C $\frac{9}{29}$	D $\frac{8}{21}$	E $\frac{8}{30}$

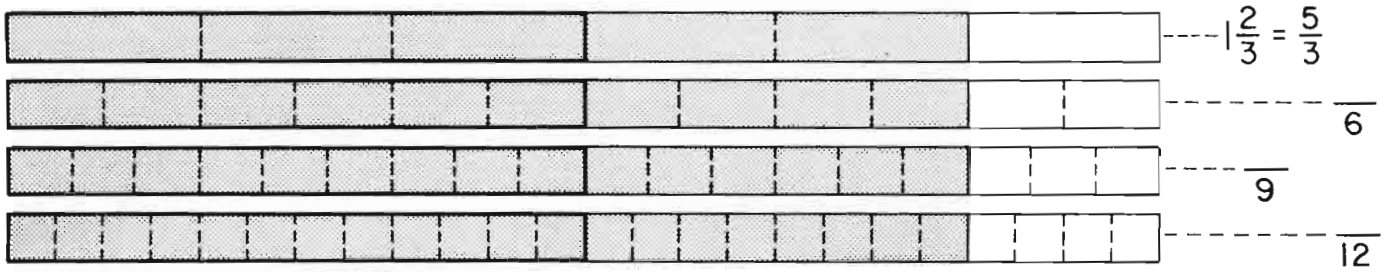
A	B	C	D	E
280	3, 6	360	4,000	7,200
1,3,3,9	100	4,5	5,6	2,4,8,8,8
4, 3	5,3	2,9,9,9	3,4	4,200
7,8	300	7, 5	2,000	7, 4
150	4,9,9	15,000	1,4,8,8	8, 4



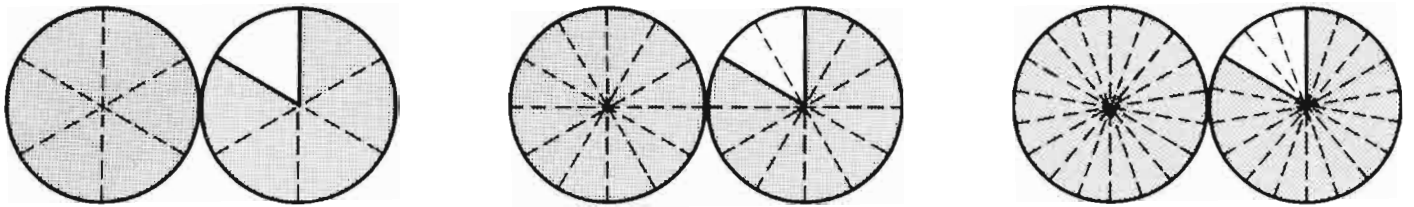
	A	B	C
D	42	10	204
E	49	6	72
F	52	208	26
G	81	104	94
H	204	4	14

Can you see the patterns?
Can you extend them?

¿Puede Usted Ver las Muestras?
¿Puede Usted Extenderlas?



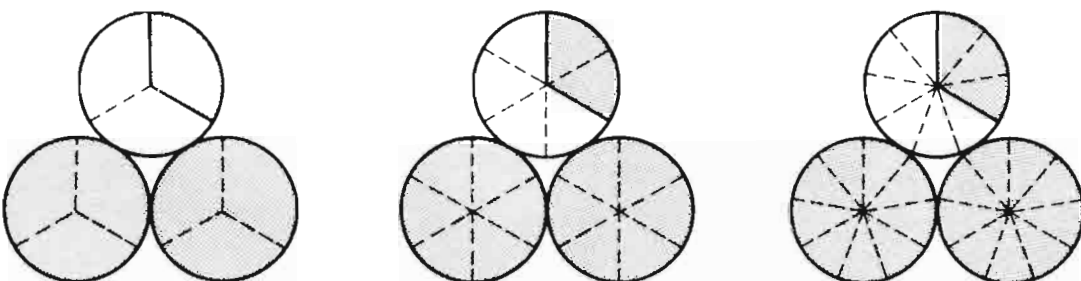
$$1\frac{2}{3} = \frac{3}{3} = \frac{6}{6} = \frac{9}{9} = \frac{12}{12} = \frac{15}{15} = \frac{18}{18} = \frac{21}{21} = \frac{30}{30} = \frac{60}{60}$$



$$1\frac{5}{6} = \frac{6}{6} = \frac{12}{12} = \frac{18}{18} = \frac{24}{24} = \frac{30}{30} = \frac{36}{36} = \frac{42}{42} = \frac{48}{48} = \frac{54}{54}$$



$$1\frac{3}{5} = \frac{5}{5} = \frac{10}{10} = \frac{15}{15} = \frac{20}{20} = \frac{25}{25} = \frac{40}{40} = \frac{60}{60} = \frac{80}{80} = \frac{100}{100}$$



$$2\frac{1}{3} = \frac{3}{3} = \frac{6}{6} = \frac{9}{9} = \frac{12}{12} = \frac{15}{15} = \frac{18}{18}$$

	A	B	C	D
E	5	100	88	64
F	128	10	32	35
G	8	16	7	20
H	14	33	15	22
I	99	42	55	11

1 Beanstick Raft (R) = 10 Ten-sticks (S) = 100 Beans (B)

1 Balsa de Palo para Frijoles (R) = 10 Palos de Diez (S) = 100 Frijoles (B)

	Rafts	10-Sticks	Beans
	.5	K	J
+	A	I	L
	A	C	C

	R	S	B
	A	B	500
-	H	C	150
	D	E	F

	R	S	B
	50	H	G
	$\times \frac{1}{10}$ or .1	$\times \frac{1}{10}$ or .1	$\times \frac{1}{10}$ or .1
	A	B	C

	R	S	B
	D	25	F
	$\times \frac{1}{5}$ or .2	$\times \frac{1}{5}$ or .2	$\times \frac{1}{5}$ or .2
	H	A	B

	R	S	B
	1.3		
+		7	
	J	K	L

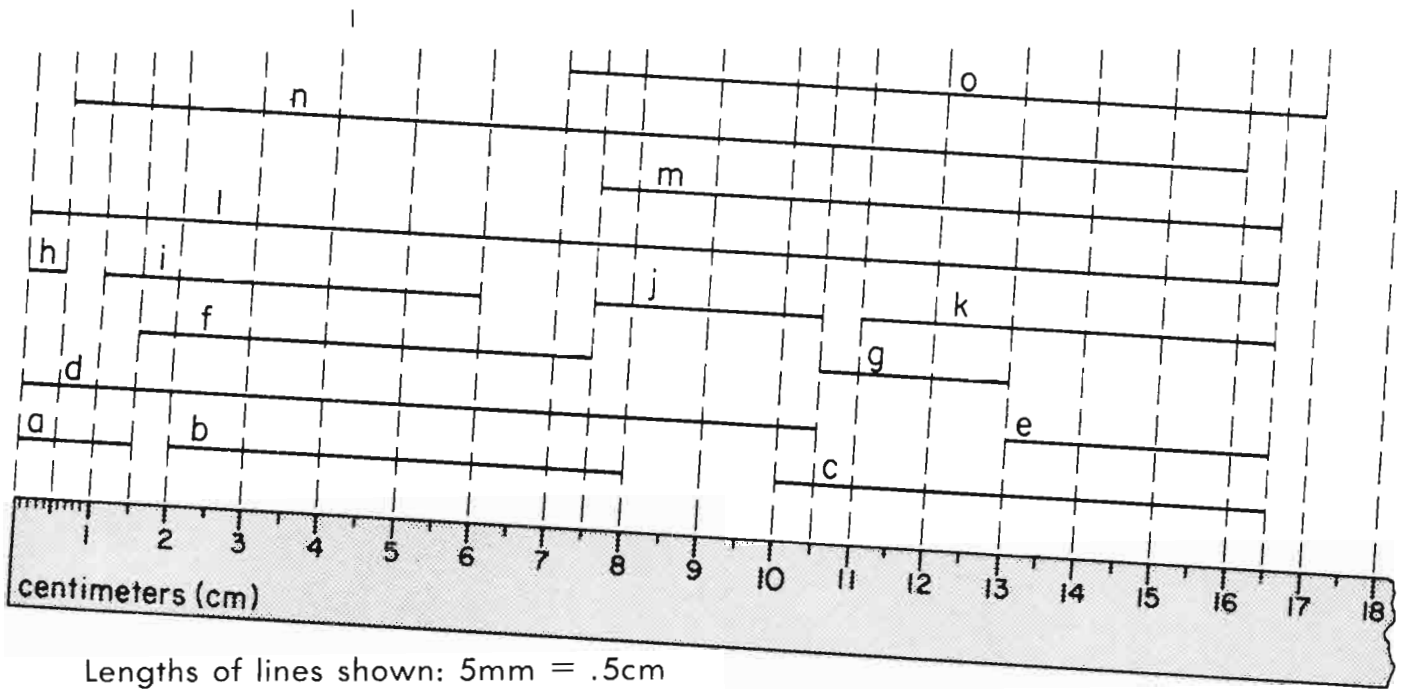
	R	S	B
	A	8.5	F
+	B	1.5	C
	G	I	L

	R	S	B
	A	B	100
	$\times \frac{1}{2}$ or .5	$\times \frac{1}{2}$ or .5	$\times \frac{1}{2}$ or .5
	L	K	J

	R	S	B
		20	
	$\times \frac{1}{2}$ or .5	$\times \frac{1}{2}$ or .5	$\times \frac{1}{2}$ or .5
	A	B	C

	R	S	B
	A	B	300
-	G	D	25
	D	E	F

	A	B	C	D	E	F
G	7	5000	.25	1.00	.1	17
H	1.5	.15	500	2.75	.50	350
I	3	10	15	3.5	12	275
J	.85	50	300	2	27.5	250
K	5	20	9	2.5	35	85
L	1	30	150	100	.5	200



Lengths of lines shown: 5mm = .5cm

Los largos de las líneas mostradas: 5mm = .5cm

- | | | | | |
|------------------|------------------|------------------|------------------|------------------|
| a. _____ cm
A | d. _____ cm
D | g. _____ cm
G | j. _____ cm
J | m. _____ cm
C |
| b. _____ cm
B | e. _____ cm
E | h. _____ cm
H | k. _____ cm
A | n. _____ cm
D |
| c. _____ cm
C | f. _____ cm
F | i. _____ cm
I | l. _____ cm
B | o. _____ cm
E |

a.m.

T = _____ : _____ a.m.

T + 45 min.

_____ : _____

B

T + 90 min.

_____ : _____

C

T - 45 min.

_____ : _____

T - 90 min.

_____ : _____

T - 100 min.

_____ : _____

A

T + 6 1/2 hours

_____ : _____

E

T - 6 1/2 hours

_____ : _____

A

A = \$ _____ .

2 x A

\$ _____ .

1/2 x A.

\$ _____ .

1/10 x A

\$ _____ .

C

10 x A

\$ _____ .

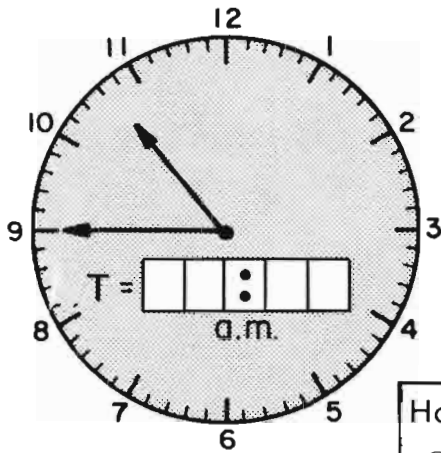
D

1/3 x A

\$ _____ .

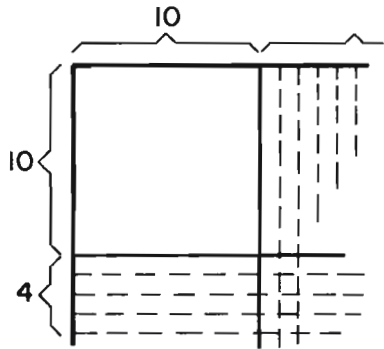
G

	A	B	C	D
E	5:00 a.m.	10	6:00 p.m.	3.5
F	1.5	16.5	.15	6
G	11:30 a.m.	6	2.5	.50
H	9:50 a.m.	.5	9	10.5
I	5	12:15 p.m.	1:00 p.m.	15.5
J	5.5	3	6.5	15

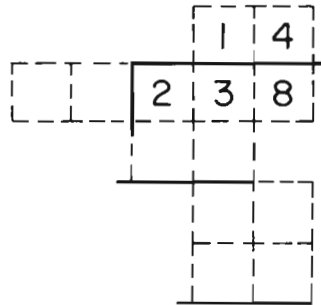


How many minutes in 2 hours? ¿Cuántos minutos hay en 12 horas?		min.
2 hours after time shown. 2 horas después de la hora indicada.		p.m.
	$T + 2\frac{1}{2}$ hrs.	:
How many minutes since mid-night? ¿Cuántos minutos han pasado desde la medianoche?		min.

Time Shown	:	$T + 11$ hrs.	:
------------	---	---------------	---



$$\underline{\quad} \times \underline{\quad} = 238$$

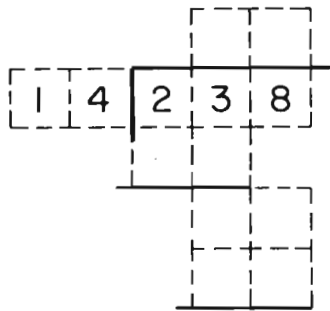


$$(7 \times \quad) - (\quad \times 6) = 1$$

$$(\quad \times 8) - (9 \times \quad) = 1$$

$$60 \times 90 = \underline{\quad} \quad 200 \times 50 = \underline{\quad}$$

$$30 \times 800 = \underline{\quad} \quad 100 \times 100 = \underline{\quad}$$



$$1\frac{2}{3} = \frac{\quad}{3}$$

$$2\frac{1}{3} = \frac{\quad}{6}$$

$$\frac{9}{4} = 2\frac{\quad}{4}$$

$$1\frac{11}{6} = 2\frac{\quad}{6}$$

$$\frac{2}{3} + \frac{1}{2} = \frac{\quad}{6} + \frac{\quad}{6} = \frac{\quad}{6} = \boxed{\quad}$$

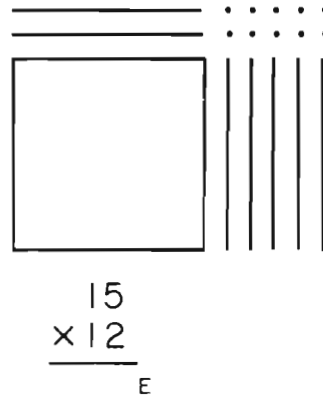
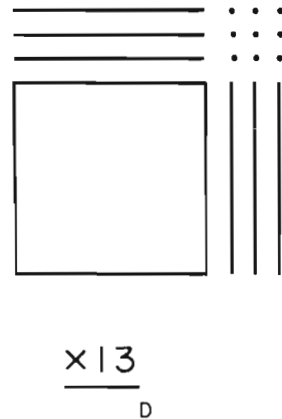
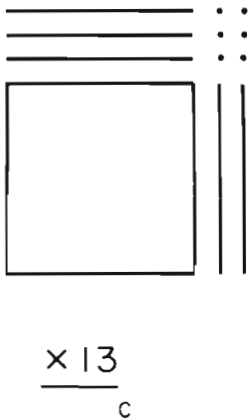
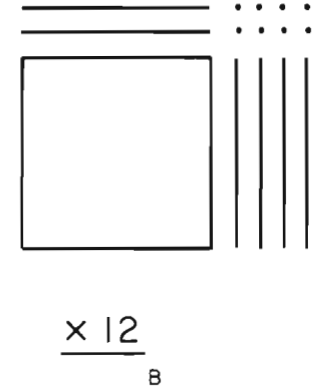
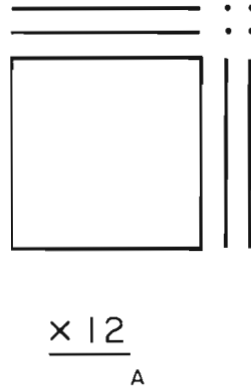
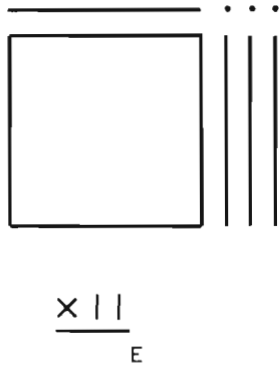
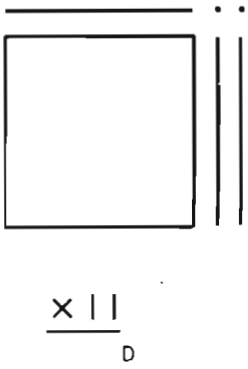
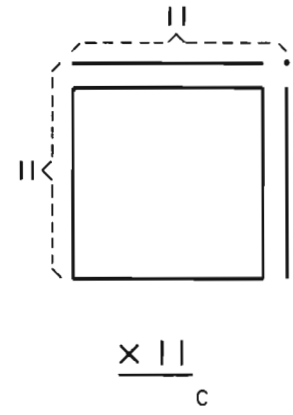
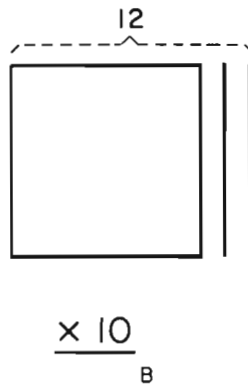
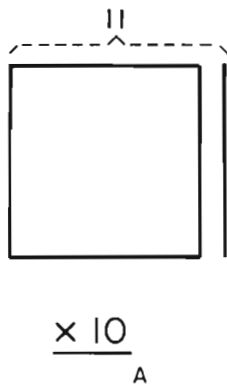
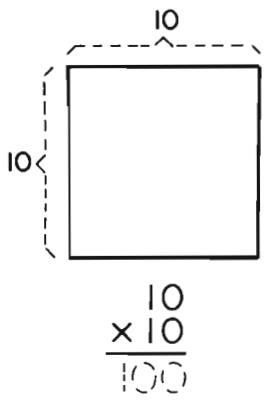
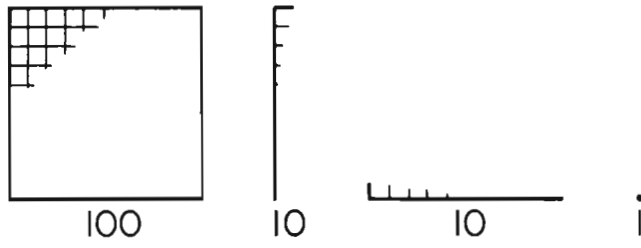
$$\frac{1}{2} + \frac{3}{4} = \frac{\quad}{4} + \frac{\quad}{4} = \frac{\quad}{4} = \boxed{\quad}$$

How do you feel?
¿Cómo se siente?

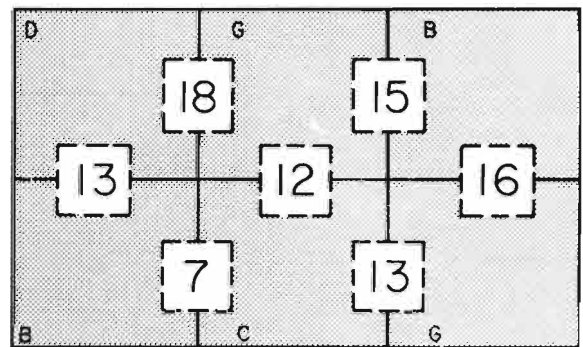
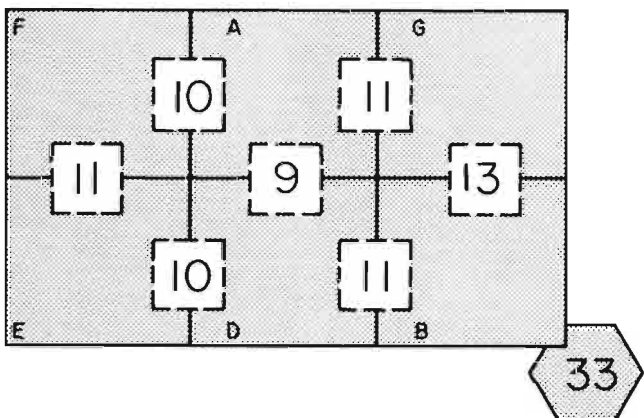
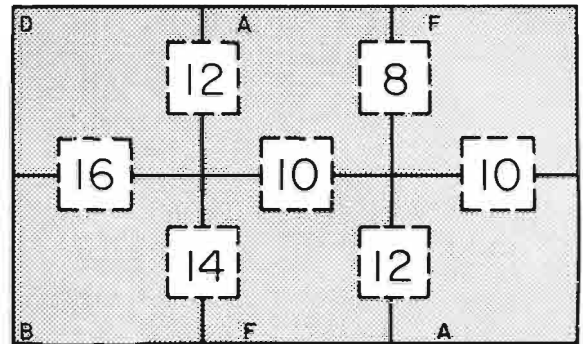
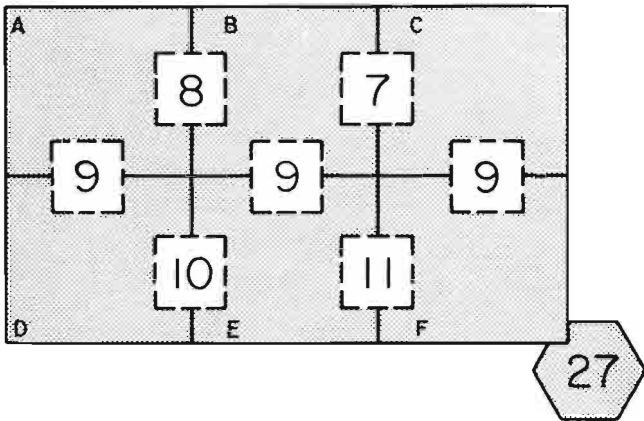
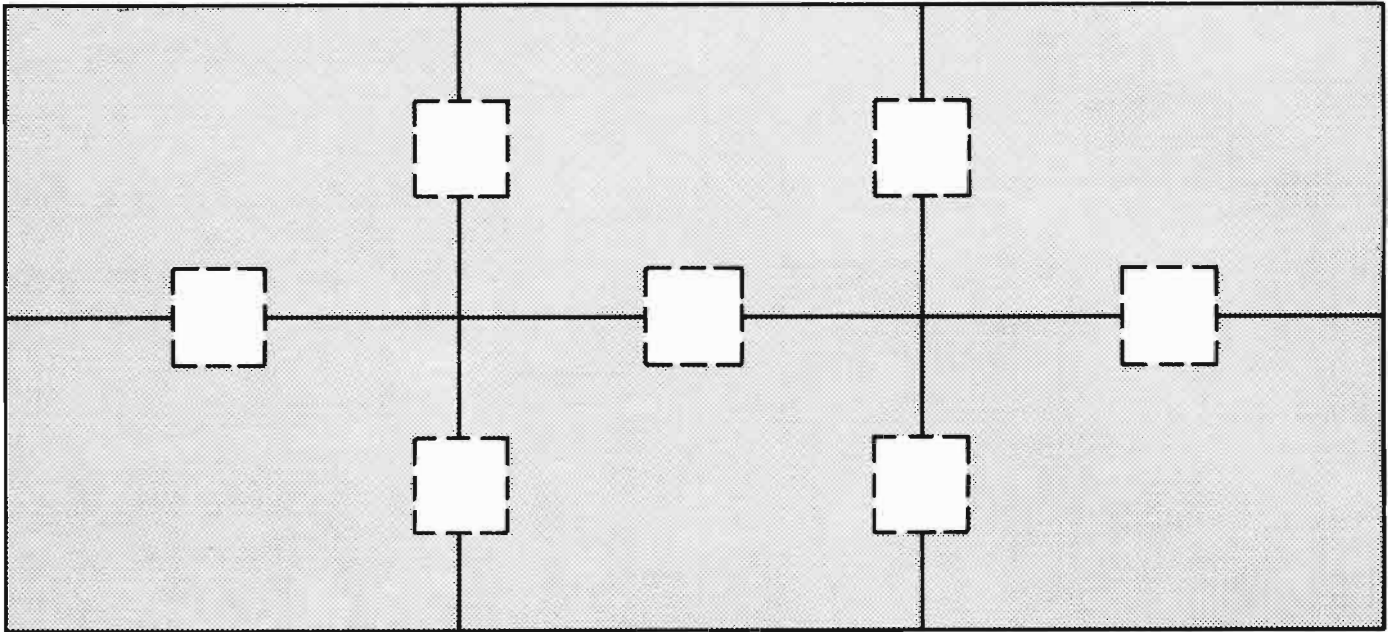
150 (1¢)	_____ (10¢)	<table border="1"> <tr> <td>\$ 1</td> <td>10¢</td> <td>1¢</td> </tr> <tr> <td>15 = 150 = 1500</td> <td></td> <td></td> </tr> <tr> <td>1 = 10 = 100</td> <td></td> <td></td> </tr> <tr> <td>.1 = 1 = 10</td> <td></td> <td></td> </tr> <tr> <td>.01 = .1 = 1</td> <td></td> <td></td> </tr> <tr> <td>1.8 = 18 = 180</td> <td></td> <td></td> </tr> <tr> <td>.5 = 5 = 50</td> <td></td> <td></td> </tr> <tr> <td>.07 = .7 = 7</td> <td></td> <td></td> </tr> </table>	\$ 1	10¢	1¢	15 = 150 = 1500			1 = 10 = 100			.1 = 1 = 10			.01 = .1 = 1			1.8 = 18 = 180			.5 = 5 = 50			.07 = .7 = 7			125 (10¢)	_____ \$ 1
\$ 1	10¢		1¢																									
15 = 150 = 1500																												
1 = 10 = 100																												
.1 = 1 = 10																												
.01 = .1 = 1																												
1.8 = 18 = 180																												
.5 = 5 = 50																												
.07 = .7 = 7																												
1.70 \$ 1	_____ (10¢)	.7 × \$ 1	_____ (10¢)																									
35 (1¢)	_____ (10¢)	1.3 × \$ 1	_____ (1¢)																									
789 (1¢)	_____ \$ 1	4.5 × (10¢)	_____ \$ 1																									

What Can You See?

¿Qué Puede Usted Ver?



A	144	110
B	120	168
C	156	121
D	169	132
E	143	180



A	B	C	D	E	F	G
3	7	4	11	5	6	8
5	6	2	8	4	7	11
1	5	3	6	7	9	10

Fact Families

$7 \overline{)49}$ <small>A</small>	$6 \overline{)36}$ <small>B</small>	$9 \overline{)81}$ <small>C</small>	$8 \overline{)64}$ <small>D</small>
$\begin{array}{r} 7 \\ \overline{)49} \end{array}$	$\begin{array}{r} 9 \\ \overline{)81} \end{array}$	$\begin{array}{r} 8 \\ \overline{)64} \end{array}$	
$36 \div \underline{\quad} = \underline{6}$	$\underline{\quad} \times 7 = \underline{49}$		
$81 \div \underline{\quad} = \underline{9}$	$8 \times \underline{\quad} = \underline{64}$		
$\begin{array}{r} \times 9 \\ 81 \end{array}$	$\begin{array}{r} \times 8 \\ 64 \end{array}$	$\begin{array}{r} \times 7 \\ 49 \end{array}$	$\begin{array}{r} \times 9 \\ 81 \end{array}$
$6 \times \underline{\quad} = \underline{36}$	$\underline{\quad} \times 9 = \underline{81}$		

Familias de Cuentas

$9 \overline{)810}$ ^E	$9 \overline{)72}$ ^F	$9 \overline{)882}$ ^G	
$\begin{array}{r} \times 10 \\ \times 7 \\ \hline \end{array}$ ^H	$\begin{array}{r} \times 12 \\ \times 7 \\ \hline \end{array}$ ^I	$\begin{array}{r} \times 14 \\ \times 7 \\ \hline \end{array}$ ^J	$\begin{array}{r} \times 16 \\ \times 7 \\ \hline \end{array}$ ^K
$30 \div 6 = \underline{\quad}$ ^A	$300 \div 6 = \underline{\quad}$ ^B		
$60 \div \underline{\quad} = \underline{10}$ ^C	$150 \div 6 = \underline{\quad}$ ^D		
$8 \overline{)640}$ ^E	$8 \overline{)48}$ ^F	$8 \overline{)688}$ ^G	
$8 \overline{)320}$ ^H	$8 \overline{)24}$ ^I	$8 \overline{)344}$ ^J	

5¢ and 8¢ stamps

Timbres de 5 y 8 centavos

$\frac{1}{3}$ OFF

$\frac{1}{3} \times 90¢$

¢

\$3.21
\$2.14
75¢
¢ ^A
\$21.45
\$. ^B
\$4.41
\$. ^C

21¢	
^A $\underline{\quad} 5¢, \underline{\quad} 8¢$	
41¢	43¢
^B $\underline{\quad} 5¢, \underline{\quad} 8¢$	^A $\underline{\quad} 5¢, \underline{\quad} 8¢$
44¢	29¢
^C $\underline{\quad} 5¢, \underline{\quad} 8¢$	^B $\underline{\quad} 5¢, \underline{\quad} 8¢$

	A	B	C	D	E
F	1,2	6	2,4	20	8
G	7	98	4,3	86	80
H	7,1	50	9	70	40
I	3	6	84	25	50
J	3,1	14,30	6	43	98
K	5	5,2	20	8	112
L	50	1,3	2,94	18	90

Use only numbers from this list

Use solamente números de esta lista

1, 2, 3, 4, 5, 6, 7, 9

A $(\quad \times 9) - (\quad \times 5) = \underline{\quad 1 \quad}$

A $(\quad \times 5) - (\quad \times 3) = \underline{\quad 6 \quad}$

B $(\quad \times 4) - (\quad \times 3) = \underline{\quad 2 \quad}$

B $(\quad \times 9) - (\quad \times 4) = \underline{\quad 7 \quad}$

C $(\quad \times 9) - (\quad \times 8) = \underline{\quad 3 \quad}$

C $(\quad \times 4) - (\quad \times 7) = \underline{\quad 8 \quad}$

D $(\quad \times 5) - (\quad \times 7) = \underline{\quad 4 \quad}$

D $(\quad \times 7) - (\quad \times 3) = \underline{\quad 9 \quad}$

E $(\quad \times 6) - (\quad \times 5) = \underline{\quad 5 \quad}$

E $(\quad \times 7) - (\quad \times 4) = \underline{\quad 10 \quad}$

Fence Arithmetic

Aritmética Usando Cercas.

15's

8	3	6	9	2
3	4	3	3	4
4	7	8	1	2
4	4	2	4	2
6	5	2	5	4

16's

4	4	4	4	1
3	3	1	7	9
2	3	3	1	2
3	5	3	5	4
6	10	1	2	6

17's

1	2	1	10	7
2	2	2	2	2
11	6	1	5	3
2	1	8	1	4
6	2	9	7	5

Loop Arithmetic

Aritmética de Lazo

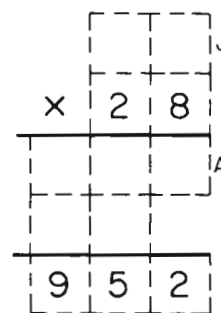
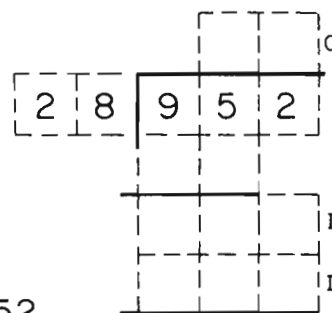
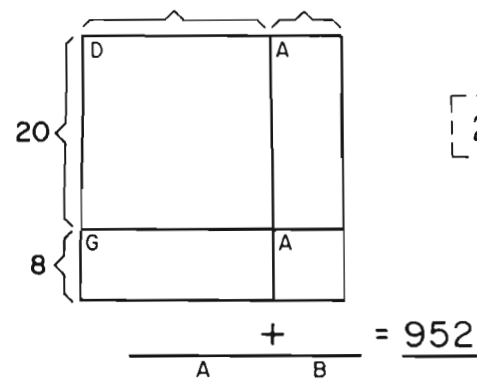
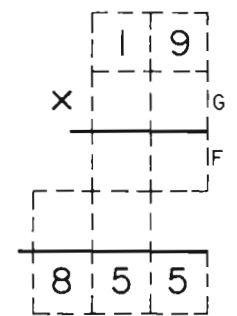
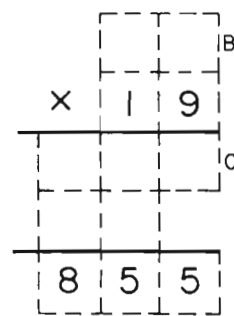
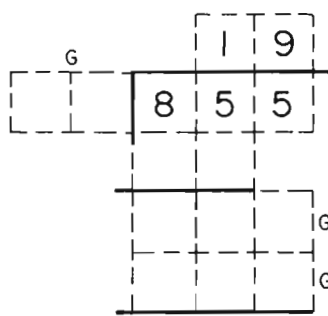
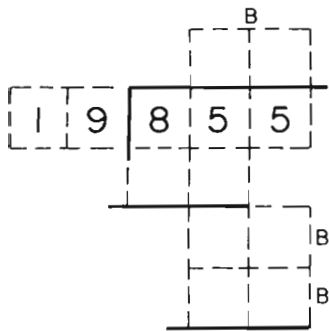
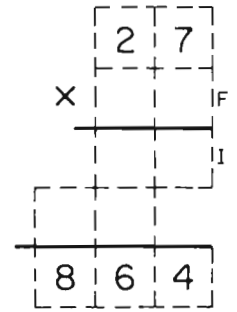
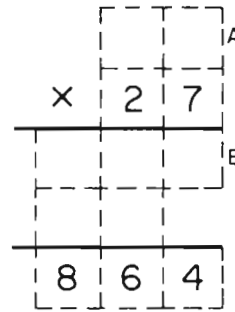
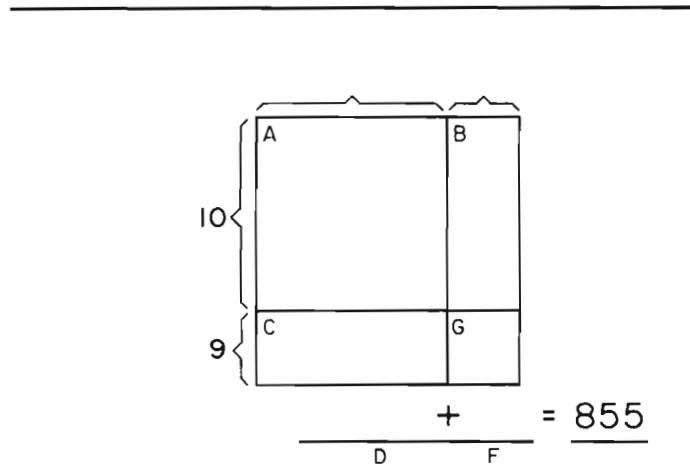
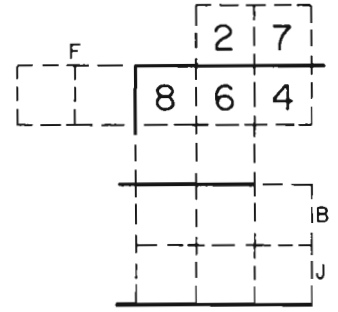
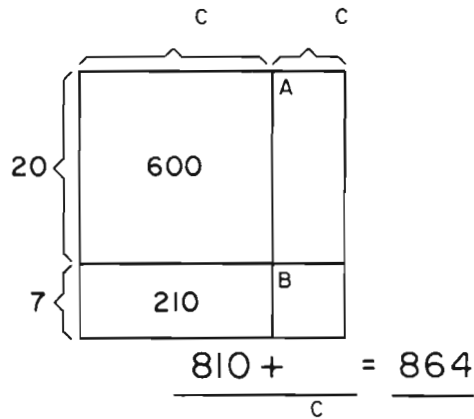
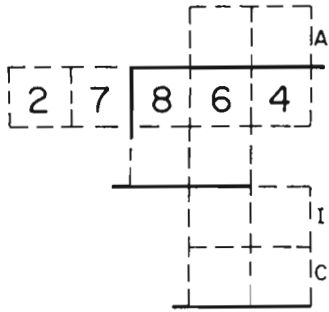
- $50 \times 20 = \underline{\hspace{2cm}} \text{ A}$
- $5 \times 800 = \underline{\hspace{2cm}} \text{ B}$
- $9 \times 700 = \underline{\hspace{2cm}} \text{ C}$
- $80 \times 80 = \underline{\hspace{2cm}} \text{ D}$
- $20 \times 50 = \underline{\hspace{2cm}} \text{ E}$
- $800 \times 500 = \underline{\hspace{2cm}} \text{ A}$
- $100 \times 17 = \underline{\hspace{2cm}} \text{ B}$
- $10 \times 1700 = \underline{\hspace{2cm}} \text{ C}$
- $80 \times 60 = \underline{\hspace{2cm}} \text{ D}$
- $15 \times 20 = \underline{\hspace{2cm}} \text{ E}$

	3	3	3	3	3
	3	3	3	3	3
	3	3	3	3	3
	8	8	8	8	8
	8	8	8	8	8
A	$\frac{8}{14}$	B $\frac{8}{19}$	C $\frac{8}{17}$	D $\frac{8}{22}$	E $\frac{8}{27}$

A	B	C	D	E
400,000	1,700	6,300	6,400	5,5
4,7	3,8,8	9,4	4,800	300
3,3,8	5,6	3,3,3,8	5,3	2,1
1000	3,5	17,000	3,4	3,8,8,8
3,3	4,000	3,3	3,3,8,8	1,000

Fact Families

Familias de Cuentas



	A	B	C
D	400	600	760
E	840	14	360
F	32	95	2
G	240	45	405
H	40	50	30
I	272	112	54
J	80	224	34

“Simplest Form” or “Lowest Terms” “La Forma más Sencilla” o “En Términos Reducidos”

$$\frac{1}{10} = \frac{A}{20} = \frac{3}{B} = \frac{C}{50} = \frac{D}{100}$$

$$\frac{3}{5} = \frac{I}{10} = \frac{F}{50} = \frac{F}{100}$$

$$1\frac{1}{5} = \frac{6}{5} = \frac{\quad}{10} = \frac{\quad}{100}$$

$$\frac{1}{5} = \frac{K}{10} = \frac{L}{15} = \frac{M}{20} = \frac{E}{100}$$

$$\frac{\quad}{B} = \frac{14}{20} = \frac{C}{50} = \frac{D}{100}$$

$$1\frac{3}{10} = \frac{13}{10} = \frac{\quad}{20} = \frac{\quad}{100}$$

$$\frac{3}{10} = \frac{6}{K} = \frac{L}{30} = \frac{M}{40} = \frac{F}{100}$$

$$\frac{\quad}{J} = \frac{8}{10} = \frac{E}{50} = \frac{H}{100}$$

$$\frac{\quad}{F} = \frac{7}{5} = \frac{\quad}{10} = \frac{\quad}{100}$$

$$\frac{2}{5} = \frac{G}{10} = \frac{I}{15} = \frac{E}{50} = \frac{L}{100}$$

$$\frac{\quad}{L} = \frac{18}{20} = \frac{F}{50} = \frac{\quad}{100}$$

$$\frac{\quad}{L} = \frac{3}{2} = \frac{\quad}{10} = \frac{\quad}{100}$$

$$\frac{1}{2} = \frac{A}{4} = \frac{J}{10} = \frac{C}{50} = \frac{J}{100}$$

$$1\frac{1}{10} = \frac{11}{10} = \frac{A}{50} = \frac{B}{100}$$

$$\frac{\quad}{E} = \frac{\quad}{5} = \frac{16}{10} = \frac{M}{100}$$

$\begin{array}{r} \frac{3}{10} = \frac{3}{10} \\ + \frac{1}{5} = \frac{2}{10} \\ \hline \end{array}$ $\frac{\quad}{D} = \frac{E}{\quad}$	$\frac{1}{2} = \frac{\quad}{\quad}$ $- \frac{1}{5} = \frac{\quad}{\quad}$ $\frac{\quad}{H} = \frac{J}{\quad}$
$\frac{4}{5} = \frac{\quad}{\quad}$ $+ \frac{7}{10} = \frac{\quad}{\quad}$ $\frac{\quad}{I} = \frac{\quad}{\quad}$	$\frac{9}{10} = \frac{\quad}{\quad}$ $- \frac{1}{2} = \frac{\quad}{\quad}$ $\frac{\quad}{M} = \frac{\quad}{\quad}$

$$\frac{1}{5} + \frac{3}{10} = \frac{\quad}{10} + \frac{\quad}{10} = \frac{\quad}{10} = \frac{\quad}{\quad}$$

$$\frac{1}{2} - \frac{1}{5} = \frac{\quad}{10} - \frac{\quad}{10} = \frac{\quad}{\quad}$$

$$\frac{1}{5} - \frac{1}{10} = \frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

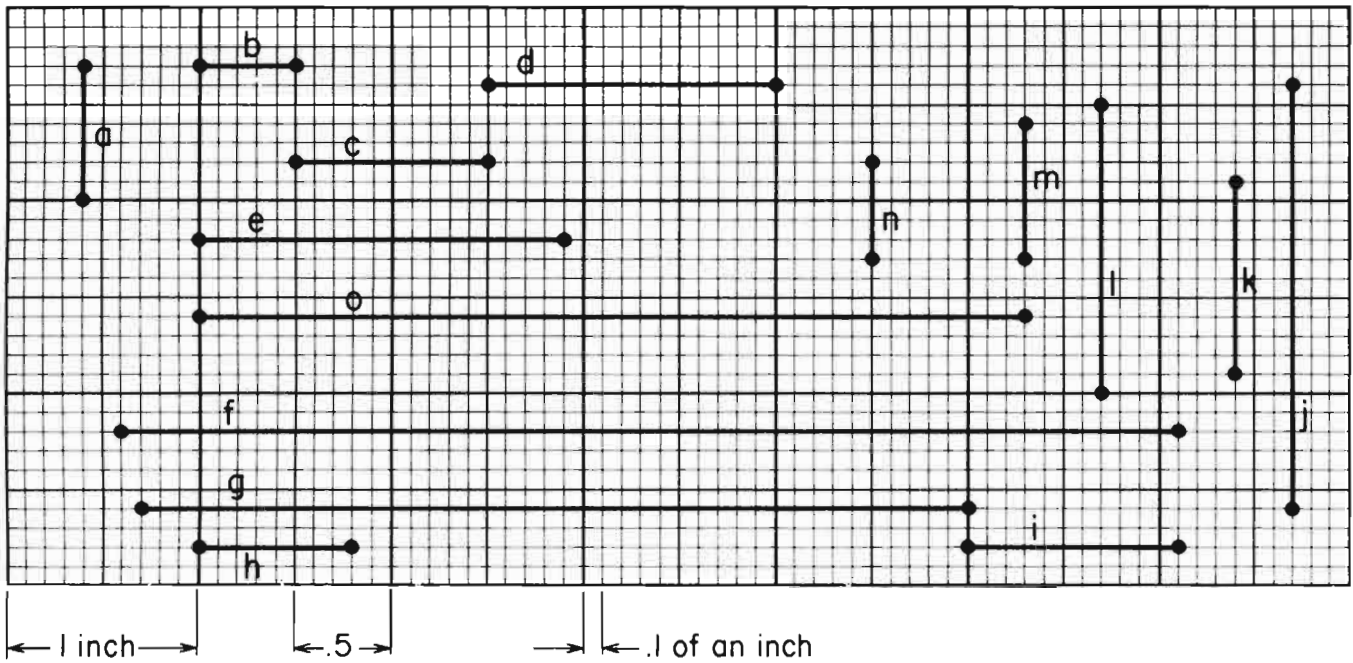
$$\frac{3}{2} + \frac{1}{10} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$\frac{7}{10} + \frac{3}{5} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

	A	B	C	D	E	F	G	H	I
J	$1\frac{3}{10}$	$\frac{7}{10}$	5	$\frac{1}{2}$	$\frac{5}{10}$	30	$\frac{4}{5}$	$\frac{3}{10}$	50
K	2	110	25	70	20	45	$\frac{3}{10}$	80	6
L	55	$\frac{9}{10}$	$\frac{1}{10}$	3	40	$1\frac{2}{5}$	40	9	$1\frac{1}{2}$
M	12	30	35	10	$1\frac{3}{5}$	60	4	$\frac{2}{5}$	160

Lengths of lines shown

Los largos de las líneas mostradas.



- a. _____ in. _A d. _____ in. _D g. _____ in. _C j. _____ in. _B m. _____ in. _A
 b. _____ in. _B e. _____ in. _A h. _____ in. _D k. _____ in. _C n. _____ in. _B
 c. _____ in. _C f. _____ in. _B i. _____ in. _A l. _____ in. _D o. _____ in. _C

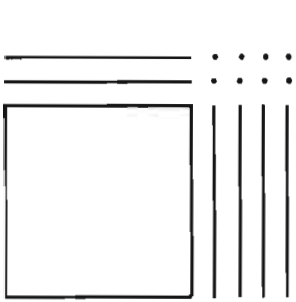
<table border="1"> <tr> <td>0</td><td>0</td><td>3</td><td>5</td><td>2</td><td>8</td> </tr> </table> <p>D = 352.8 miles</p>	0	0	3	5	2	8	$\frac{1}{2} \times D$ ----- A • mi.
0	0	3	5	2	8		
$D + 1.2$ ----- C • mi.	$2 \times D$ ----- B • mi.						
$D + 100.2$ ----- D • mi.	$D + 70$ ----- B • mi.						
$D + 9\frac{1}{2}$ ----- A • mi.	$D + 28.7$ ----- C • mi.						
----- A • mi.	$D + 1000$ ----- D • mi.						

 L = 2,000 lbs.	$\frac{1}{2} L$ ----- A lbs.
$10 \times L$ ----- C lbs.	$\frac{1}{4} L$ ----- B lbs.
$1\frac{1}{2} \times L$ ----- D lbs.	
$2\frac{1}{4} \times L$ ----- D lbs.	

	A	B	C	D
E	.7	500	17	1352.8
F	176.4	5.5	3540	.8
G	362.3	.5	381.5	453.0
H	1.9	7056	4.3	3,000
I	1000	2.2	20,000	1.5
J	1.1	422.8	1	4,500

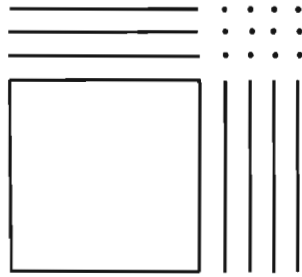
What Can You See?

¿Qué Puede Usted Ver?



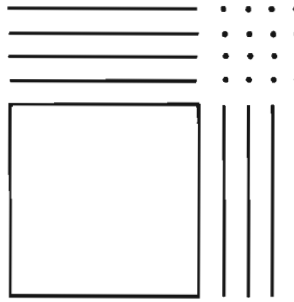
$$\begin{array}{r} \times 12 \\ \hline \end{array}$$

A



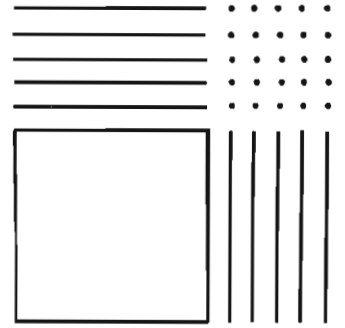
$$\begin{array}{r} \times 13 \\ \hline \end{array}$$

B



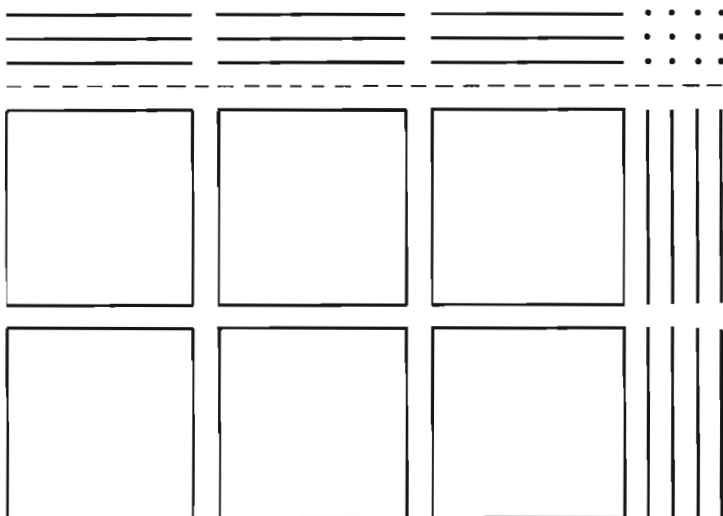
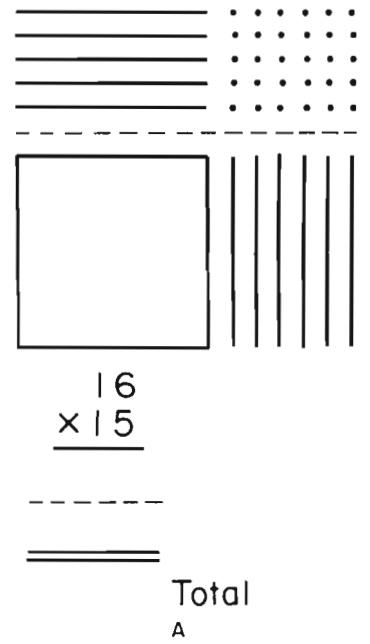
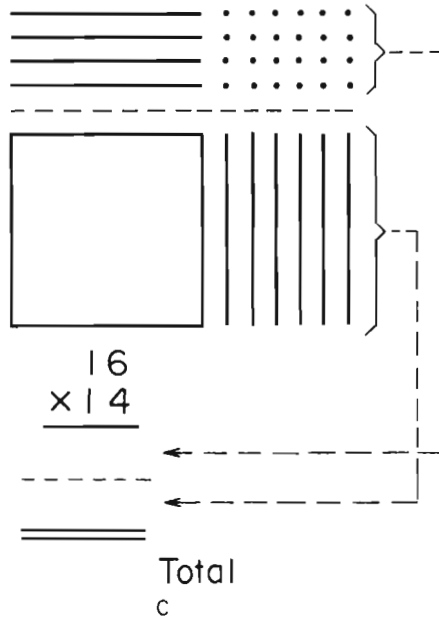
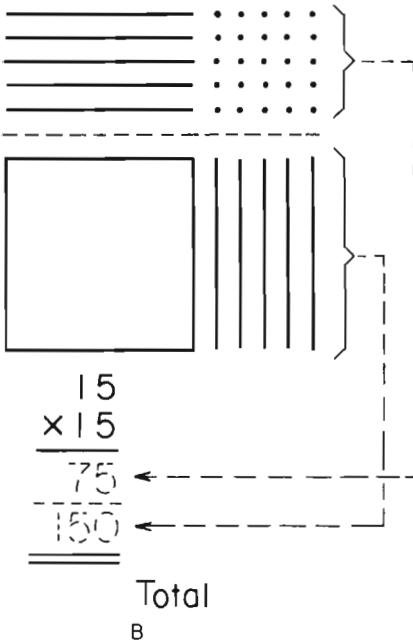
$$\begin{array}{r} \times 14 \\ \hline \end{array}$$

C



$$\begin{array}{r} 15 \\ \times 15 \\ \hline \end{array}$$

A



$$\begin{array}{r} 34 \\ \times 23 \\ \hline 102 \\ \hline \end{array}$$

B

A	B	C
225	782	196
168	225	203
240	182	224

Fact Families

Familias de Cuentas

$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$ <small>A</small>	$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$ <small>B</small>	$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$ <small>C</small>	$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$ <small>D</small>
$8 \overline{) 7}$	$7 \overline{) 9}$	$9 \overline{) 6}$	
$\underline{\quad} \div 8 = \underline{\quad}$	$\underline{\quad} \div 9 = \underline{\quad}$	$8 \times 7 = \underline{\quad}$	$7 \times 9 = \underline{\quad}$
$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$
$\underline{\quad} \times 7 = \underline{\quad}$	$\underline{\quad} \div 7 = \underline{\quad}$		

$8 \overline{) 8}$ <small>E</small>	$8 \overline{) 20}$ <small>F</small>	$8 \overline{) 28}$ <small>G</small>	
$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$ <small>H</small>	$\begin{array}{r} 10 \\ \times 9 \\ \hline \end{array}$ <small>I</small>	$\begin{array}{r} 12 \\ \times 9 \\ \hline \end{array}$ <small>J</small>	$\begin{array}{r} 14 \\ \times 9 \\ \hline \end{array}$ <small>K</small>
$\underline{\quad} \times \underline{\quad} = 64$ <small>A</small>	$\underline{\quad} \times \underline{\quad} = 36$ <small>B</small>		
$\underline{\quad} \times \underline{\quad} = 81$ <small>C</small>	$\underline{\quad} \times \underline{\quad} = 49$ <small>D</small>		
$9 \overline{) 8}$ <small>D</small>	$9 \overline{) 30}$ <small>E</small>	$9 \overline{) 38}$ <small>F</small>	
$6 \overline{) 7}$ <small>H</small>	$6 \overline{) 50}$ <small>J</small>	$6 \overline{) 57}$ <small>K</small>	

T = : AM

A

T = ° above 0°	T + 35° ----- ° above 0°
T = ° above 0°	T + 5½° ----- ° above 0°
100° - T ----- ° above 0°	T - 75° ----- ° below 0°

A

T + 2½ hrs. ----- :	12 - T ----- hr., min.
T - 2½ hrs. ----- :	12 + T ----- hrs., min.

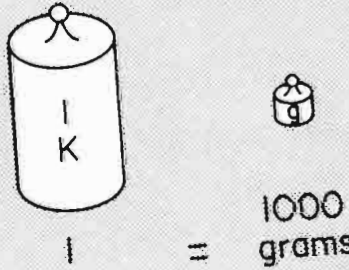
	A	B	C	D	E
F	18	9:15	2:45	160	342
G	8	60½	8:55	7	224
H	10:25	54	56	81	42
I	1,35	90	7:55	72	64
J	10:15	10,25	20	300	108
K	48	12:55	45	126	342
L	55	6	9	63	270

Fact Families

Familias de Cuentas

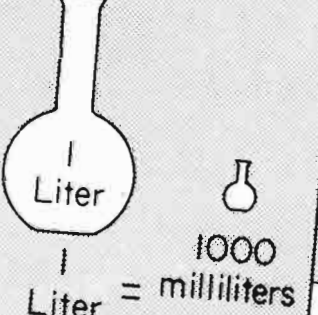
$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$ <p style="text-align: center;">A</p>	$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$ <p style="text-align: center;">B</p>	$4 \overline{)36}$ <p style="text-align: center;">C</p>	$5 \overline{)40}$ <p style="text-align: center;">D</p>
$6 \overline{)42}$	$8 \overline{)9}$	$9 \overline{)8}$	
$4 \times \underline{\quad} = 36$	$5 \times \underline{\quad} = 40$		
$\underline{\quad} \times 4 = 36$	$\underline{\quad} \times 5 = 40$		
$\begin{array}{r} \times 4 \\ 36 \end{array}$	$\begin{array}{r} \times 5 \\ 40 \end{array}$	$\begin{array}{r} \times 4 \\ 36 \end{array}$	$\begin{array}{r} \times 5 \\ 40 \end{array}$
$36 \div 9 = \underline{\quad}$	$40 \div 8 = \underline{\quad}$		

$5 \overline{)400}$ <p style="text-align: center;">E</p>	$5 \overline{)25}$ <p style="text-align: center;">F</p>	$5 \overline{)425}$ <p style="text-align: center;">G</p>	
$\begin{array}{r} 10 \\ \times 8 \\ \hline \end{array}$ <p style="text-align: center;">H</p>	$\begin{array}{r} 11 \\ \times 8 \\ \hline \end{array}$ <p style="text-align: center;">I</p>	$\begin{array}{r} 12 \\ \times 8 \\ \hline \end{array}$ <p style="text-align: center;">J</p>	$\begin{array}{r} 13 \\ \times 8 \\ \hline \end{array}$ <p style="text-align: center;">K</p>
$4 \times 8 = \underline{\quad}$ <p style="text-align: center;">F</p>		$5 \times 7 = \underline{\quad}$ <p style="text-align: center;">G</p>	
$4 \times 16 = \underline{\quad}$ <p style="text-align: center;">H</p>		$5 \times 14 = \underline{\quad}$ <p style="text-align: center;">I</p>	
$6 \overline{)300}$ <p style="text-align: center;">J</p>	$6 \overline{)48}$ <p style="text-align: center;">K</p>	$6 \overline{)348}$ <p style="text-align: center;">L</p>	
$6 \overline{)150}$ <p style="text-align: center;">F</p>	$6 \overline{)24}$ <p style="text-align: center;">H</p>	$6 \overline{)174}$ <p style="text-align: center;">K</p>	



1 Kilogram = 1000 grams

3K	
grams	
.5K	2000 grams
grams	K
7.5K	500 grams
grams	K

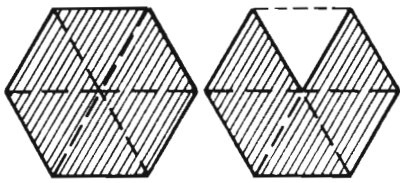


1 Liter = 1000 milliliters

2.3L	
ml	
2.5L	
ml	
1100 ml	750 ml
L	L

	A	B	C	D	E
F	17	5	37	25	32
G	35	500	85	8	80
H	3000	80	1.1	4	64
I	2300	.5	9	70	88
J	72	2500	7500	96	50
K	2	$\frac{1}{2}$	8	29	104
L	14	42	.75	58	98

An Idea . . . and a family of names.



$$\boxed{\frac{1}{6}}^*$$

Simplest name

Some other members of the family.

E	E	E	E	E	F
$\frac{1}{6}$	$\frac{1}{12}$	$\frac{1}{18}$	$\frac{1}{24}$	$\frac{1}{30}$	$\frac{1}{36}$
A	B	F	G	H	I
$\frac{1}{6}$	$\frac{1}{12}$	$\frac{1}{18}$	$\frac{1}{24}$	$\frac{1}{30}$	$\frac{1}{36}$

Some related families of names.

$\frac{1}{2}$	B	C	C	A	D
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{6}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{6}$
$2\frac{5}{6}$	A	B	E	B	F
$2\frac{5}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$2\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

Una Idea . . . y una familia de nombres.



$$\boxed{\frac{2}{3}}^*$$

El nombre más sencillo

Otros miembros de la familia.

C	A	D	G	H	I
$\frac{2}{3}$	$\frac{2}{6}$	$\frac{2}{9}$	$\frac{2}{12}$	$\frac{2}{15}$	$\frac{2}{18}$
D	A	C	E	E	E
$2\frac{1}{6}$	$2\frac{1}{9}$	$2\frac{1}{12}$	$\frac{1}{3}$	$\frac{1}{6}$	$\frac{1}{12}$

Algunas familias de nombres que son "parientes".

$3\frac{1}{3}$	D	B	E	E	D
$3\frac{1}{3}$	$2\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{6}$	$\frac{1}{6}$
$2\frac{1}{6}$	B	C	G	H	I
$2\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{12}$	$\frac{1}{18}$	$\frac{1}{24}$

A general strategy in Addition.

$$\begin{array}{r} \frac{1}{2} = \frac{3}{6} \\ + \frac{1}{3} = \frac{2}{6} \\ \hline \end{array}$$

$\frac{1}{2} = \frac{3}{6}$ (C, D) | $\frac{1}{3} = \frac{2}{6}$ (D, C)

$\frac{1}{2} = \frac{3}{6}$ (A, A) | $\frac{1}{3} = \frac{2}{6}$ (C, D)

$\frac{1}{2} = \frac{3}{6}$ (A, A) | $\frac{1}{3} = \frac{2}{6}$ (C, D)

$\frac{1}{2} = \frac{3}{6}$ (A, A) | $\frac{1}{3} = \frac{2}{6}$ (C, D)

$\frac{1}{2} = \frac{3}{6}$ (A, A) | $\frac{1}{3} = \frac{2}{6}$ (C, D)

$\frac{1}{2} = \frac{3}{6}$ (A, A) | $\frac{1}{3} = \frac{2}{6}$ (C, D)

$$\begin{array}{r} 2\frac{2}{3} = \frac{4}{3} = \frac{8}{6} \\ + 2\frac{1}{6} = \frac{13}{6} \\ \hline \end{array}$$

$2\frac{2}{3} = \frac{4}{3} = \frac{8}{6}$ (C, A) | $2\frac{1}{6} = \frac{13}{6}$ (C, C)

$2\frac{2}{3} = \frac{4}{3} = \frac{8}{6}$ (C, A) | $2\frac{1}{6} = \frac{13}{6}$ (C, C)

$2\frac{2}{3} = \frac{4}{3} = \frac{8}{6}$ (C, A) | $2\frac{1}{6} = \frac{13}{6}$ (C, C)

$2\frac{2}{3} = \frac{4}{3} = \frac{8}{6}$ (C, A) | $2\frac{1}{6} = \frac{13}{6}$ (C, C)

$2\frac{2}{3} = \frac{4}{3} = \frac{8}{6}$ (C, A) | $2\frac{1}{6} = \frac{13}{6}$ (C, C)

$2\frac{2}{3} = \frac{4}{3} = \frac{8}{6}$ (C, A) | $2\frac{1}{6} = \frac{13}{6}$ (C, C)

Una estrategia general para Sumar

$$\begin{array}{r} 2\frac{5}{6} = \frac{17}{6} \\ + 3\frac{1}{3} = \frac{10}{3} = \frac{20}{6} \\ \hline \end{array}$$

$2\frac{5}{6} = \frac{17}{6}$ (B, B) | $3\frac{1}{3} = \frac{10}{3} = \frac{20}{6}$ (E, E)

$2\frac{5}{6} = \frac{17}{6}$ (B, B) | $3\frac{1}{3} = \frac{10}{3} = \frac{20}{6}$ (E, E)

$2\frac{5}{6} = \frac{17}{6}$ (B, B) | $3\frac{1}{3} = \frac{10}{3} = \frac{20}{6}$ (E, E)

$2\frac{5}{6} = \frac{17}{6}$ (B, B) | $3\frac{1}{3} = \frac{10}{3} = \frac{20}{6}$ (E, E)

$2\frac{5}{6} = \frac{17}{6}$ (B, B) | $3\frac{1}{3} = \frac{10}{3} = \frac{20}{6}$ (E, E)

$2\frac{5}{6} = \frac{17}{6}$ (B, B) | $3\frac{1}{3} = \frac{10}{3} = \frac{20}{6}$ (E, E)

$$\begin{array}{r} \frac{5}{6} = \frac{5}{6} \\ + \frac{1}{2} = \frac{3}{6} \\ \hline \end{array}$$

$\frac{5}{6} = \frac{5}{6}$ (A, A) | $\frac{1}{2} = \frac{3}{6}$ (C, D)

$\frac{5}{6} = \frac{5}{6}$ (A, A) | $\frac{1}{2} = \frac{3}{6}$ (C, D)

$\frac{5}{6} = \frac{5}{6}$ (A, A) | $\frac{1}{2} = \frac{3}{6}$ (C, D)

$\frac{5}{6} = \frac{5}{6}$ (A, A) | $\frac{1}{2} = \frac{3}{6}$ (C, D)

$\frac{5}{6} = \frac{5}{6}$ (A, A) | $\frac{1}{2} = \frac{3}{6}$ (C, D)

$\frac{5}{6} = \frac{5}{6}$ (A, A) | $\frac{1}{2} = \frac{3}{6}$ (C, D)

$$\begin{array}{r} 2\frac{5}{6} = \frac{17}{6} \\ + 2\frac{1}{6} = \frac{13}{6} \\ \hline \end{array}$$

$2\frac{5}{6} = \frac{17}{6}$ (A, A) | $2\frac{1}{6} = \frac{13}{6}$ (C, C)

$2\frac{5}{6} = \frac{17}{6}$ (A, A) | $2\frac{1}{6} = \frac{13}{6}$ (C, C)

$2\frac{5}{6} = \frac{17}{6}$ (A, A) | $2\frac{1}{6} = \frac{13}{6}$ (C, C)

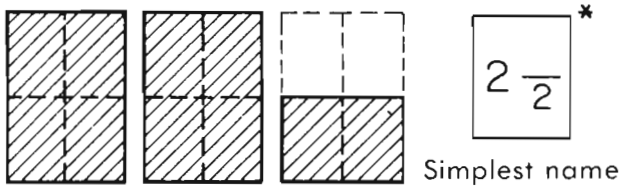
$2\frac{5}{6} = \frac{17}{6}$ (A, A) | $2\frac{1}{6} = \frac{13}{6}$ (C, C)

$2\frac{5}{6} = \frac{17}{6}$ (A, A) | $2\frac{1}{6} = \frac{13}{6}$ (C, C)

$2\frac{5}{6} = \frac{17}{6}$ (A, A) | $2\frac{1}{6} = \frac{13}{6}$ (C, C)

A	B	C	D	E	F	G	H	I
11	7	13	9	5	17	19	55	$3\frac{1}{3}$
1	22	18	14	20	33	32	39	48
16	17	3	54	10	29	44	$2\frac{5}{6}$	52
6	2	23	24	15	30	26	40	$4\frac{5}{6}$
21	12	8	4	25	34	37	$6\frac{1}{6}$	66

An Idea . . . and a family of names.



Simplest name

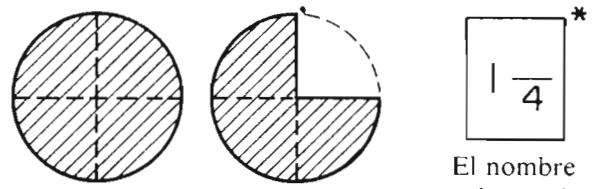
Some other members of the family.

A	B	C	D	E	F
$1\frac{1}{2}$	$\frac{2}{2}$	$2\frac{2}{4}$	$1\frac{1}{4}$	$\frac{4}{4}$	$\frac{40}{40}$
A	E	F	G	I	H
$\frac{6}{6}$	$\frac{8}{8}$	$\frac{10}{10}$	$\frac{100}{100}$	$1\frac{100}{100}$	$2\frac{100}{100}$

Some related families of names.

$1\frac{1}{2}$ *	A	D	D	I	I
$\frac{1}{2}$	$\frac{2}{4}$	$\frac{6}{100}$			%
$3\frac{1}{2}$ *	B	C	D	J	J
$\frac{3}{2}$	$\frac{4}{8}$	$\frac{100}{100}$			%

Una Idea . . . y una familia de nombres.



El nombre más sencillo

Otros miembros de la familia.

B	D	C	D	E	F
$\frac{4}{4}$	$1\frac{1}{8}$	$\frac{8}{8}$	$1\frac{1}{12}$	$\frac{12}{12}$	$\frac{16}{16}$
G	G	H	I	I	I
$\frac{20}{20}$	$\frac{100}{100}$	$1\frac{100}{100}$	1.75	175%	$\frac{1000}{1000}$

Algunas familias de nombres que son "parientes".

$1\frac{1}{4}$ *	B	C	E	J	J
$\frac{1}{4}$	$\frac{1}{8}$	$\frac{8}{100}$			%
$3\frac{1}{4}$ *	A	C	E	J	J
$\frac{3}{4}$	$\frac{3}{8}$	$\frac{8}{100}$			%

A general strategy in Subtraction.

$$2\frac{1}{2} = \frac{B}{2} = \frac{E}{4}$$

$$- 1\frac{3}{4} = \frac{B}{4} = \frac{B}{4}$$

←

$\frac{A}{4}$

$$3\frac{1}{2} = \frac{C}{2} = \frac{C}{4}$$

$$- 1\frac{1}{4} = \frac{B}{4} = \frac{B}{4}$$

←

$\frac{D}{C}$

Una estrategia general para Restar.

$$3\frac{3}{4} = \frac{D}{4} = \frac{D}{4}$$

$$- 2\frac{1}{2} = \frac{E}{2} = \frac{E}{4}$$

←

$\frac{B}{C}$

$$3\frac{1}{4} = \frac{B}{4} = \frac{B}{4}$$

$$- 1\frac{1}{2} = \frac{D}{2} = \frac{D}{4}$$

←

$\frac{B}{4}$

	A	B	C	D	E	F	G	H	I	J	K
L	13	8	2	28	21	20	175	110	140	150	$2\frac{1}{4}$
M	3	7	17	15	20	100	250	25	75	350	$\frac{3}{4}$
N	15	13	14	6	26	28	100	75	150	325	$1\frac{1}{4}$
O	9	5	4	9	10	25	35	50	1750	125	$1\frac{3}{4}$

<i>Sale</i> - 10% off prices shown	Jackets Chaquetas	Shirts Faldas	Sweaters Suéteres	Ties Corbatas
	\$ 6.00	\$ 8.00	\$ 5.50	\$ 1.40

On Your Own

Usted Solo

Jackets Chaquetas	2	1	0	0			1	1
Shirts Faldas	0	0	0	0		1		1
Sweaters Suéteres	0	0	3	0	1	1	3	1
Ties Corbatas	0	1	0	7	2			1
Total Sale Price	\$	\$	\$	\$	\$	\$	\$	\$

20
3

$\times \begin{array}{r} 23 \\ \hline 966 \\ \hline \end{array}$

$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = 966$

$$(6 \times \quad) - (\quad \times 7) = 1$$

$$(\quad \times 9) - (\quad \times 8) = 7$$

$$\frac{1}{2} - \frac{1}{5} = \text{---} = \text{---}$$

$$\frac{7}{10} + \frac{4}{5} = \text{---} + \text{---} = \text{---} = \boxed{\text{---}^*}$$

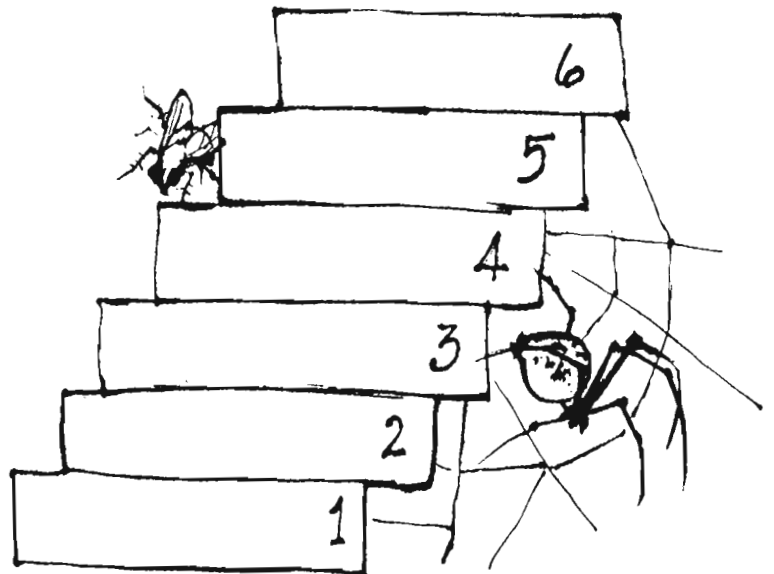
$$1\frac{1}{10} - \frac{3}{5} = \text{---} = \text{---} = \boxed{\text{---}^*}$$

$\begin{array}{r} 23 \\ \hline 966 \\ \hline \end{array}$ $\begin{array}{r} 23 \\ \hline 966 \\ \hline \end{array}$

$2 \times A$	mi.			
$A + B$	mi.			
$B + A + A$	mi.			
$2 \times B$	mi.			
$2(A + B)$	mi.	$B + C$	mi.	$C - A$ mi.

1.7 mi. Mill Creek
2.8 mi. Moss Valley
3 mi. Ridge Rd.

$A = 1.7 \text{ mi.}$
 $C = 3 \text{ mi.}$
 $B = 2.8 \text{ mi.}$



this
book
belongs
to

est
libro
es de

