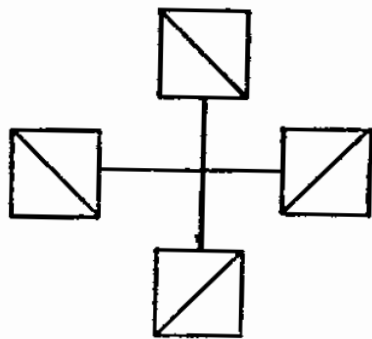


Special Problems

Name _____



Orange Level

Which Figure is Different

Sample 1



Sample 2



Sample 3



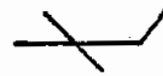
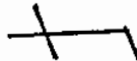
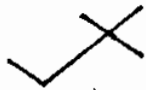
1



2



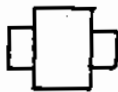
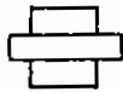
3



4



5



6



7



8



ADDITION

$$\begin{array}{r} 46 \\ +29 \\ \hline \end{array}$$

$$\begin{array}{r} 352 \\ +683 \\ \hline \end{array}$$

$$48 + 13 + 8 =$$

$$\begin{array}{r} 247 \\ 358 \\ +469 \\ \hline \end{array}$$

SUBTRACTION

$$\begin{array}{r} 679 \\ -335 \\ \hline \end{array}$$

$$\begin{array}{r} 675 \\ -467 \\ \hline \end{array}$$

$$\begin{array}{r} 2.418 \\ - 63 \\ \hline \end{array}$$

MULTIPLICATION

$$\begin{array}{r} 31 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 143 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 362 \\ \times 32 \\ \hline \end{array}$$

DIVISION

$$35 \div 5 =$$

$$6 \overline{)492}$$

2 or 5 or 10

60 is about _____ times as large as 31

51 is about _____ times as large as 5

45 is about _____ times as large as 8

59 is about _____ times as large as 29

155 is about _____ times as large as 71

100 is about _____ times as large as 19

595 is about _____ times as large as 61

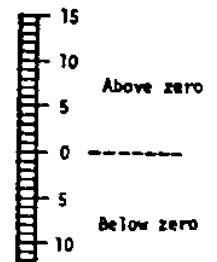
294 is about _____ times as large as 62

$20\frac{1}{2}$ is about _____ times as large as $9\frac{1}{2}$

$5\frac{1}{2}$ is about _____ times as large as $\frac{1}{2}$

Each Hit:
Gain 5 points

Each Miss:
Lose 1 point



Jill Started with a score of Number of Hits Number of Misses Ended with a score of

Eric Started with a score of Number of Hits Number of Misses Ended with a score of

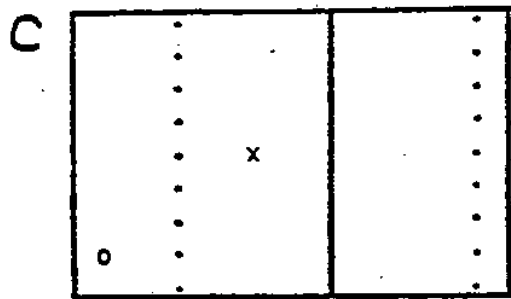
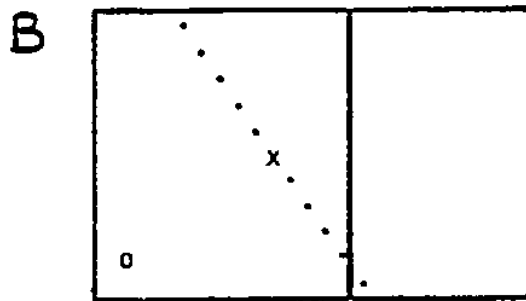
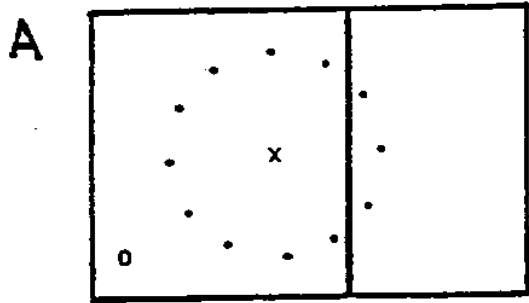
Mary Started with a score of Number of Hits Number of Misses Ended with a score of

Mark Started with a score of Number of Hits Number of Misses Ended with a score of

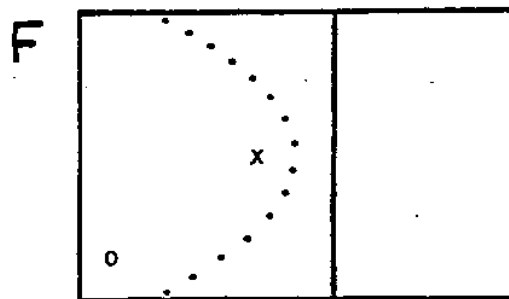
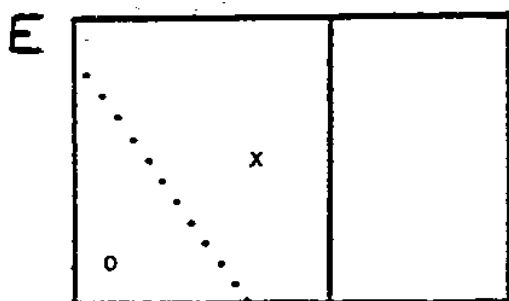
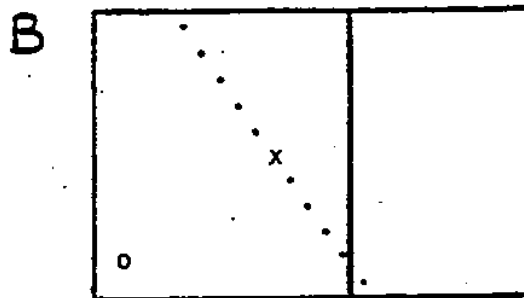
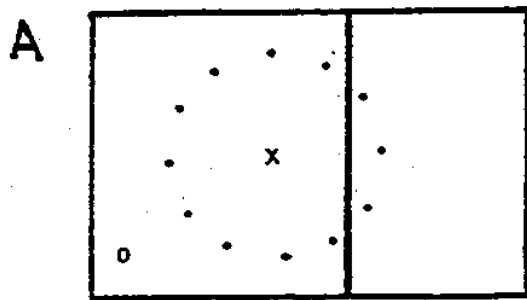
Jan Started with a score of Number of Hits Number of Misses Ended with a score of

Ellen Started with a score of Number of Hits Number of Misses Ended with a score of

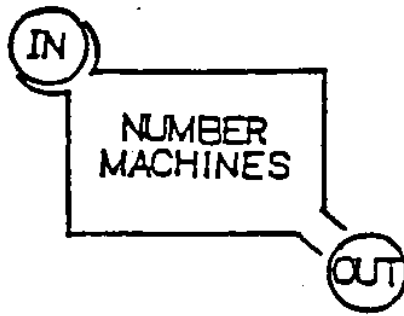
John Started with a score of Number of Hits Number of Misses Ended with a score of



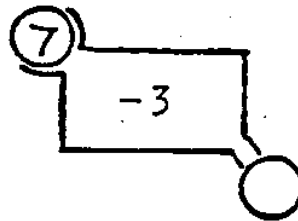
1. In which picture are all the dots the same distance from the line? A B C D
2. In which picture are all the dots the same distance from the x? A B C D
3. In which picture are the dots on the same line as x and o? A B C D



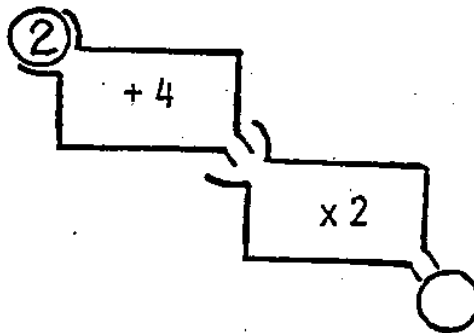
4. In which picture is each dot closer to x than to o? A B E F
5. In which picture is each dot just as close to x as to o? A B E F
6. In which picture is each dot just as close to x as to the line? A B E F



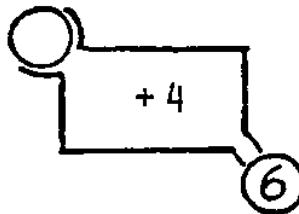
SAMPLE 1

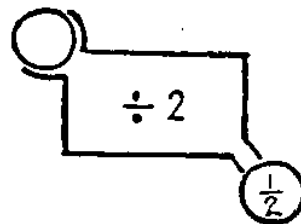
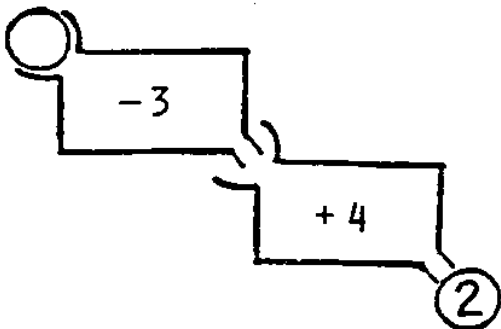
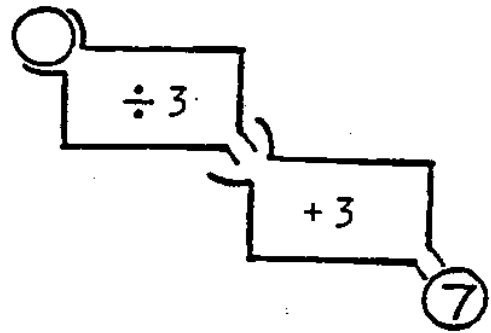
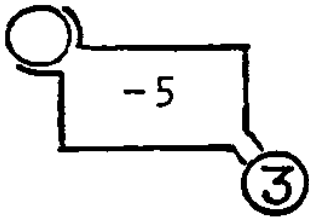
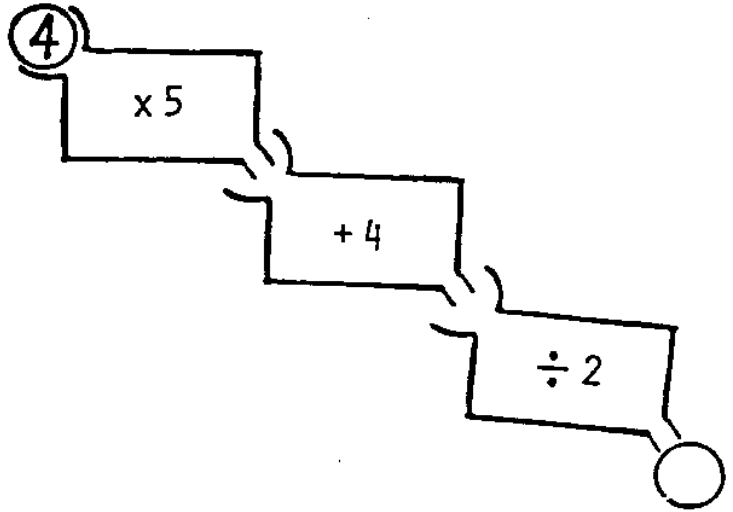
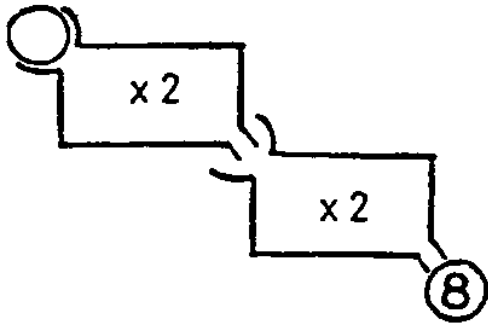


SAMPLE 2



SAMPLE 3





HOW MUCH IS SHADED?

Sample:



$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{4}$

$\frac{2}{3}$



$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{4}$

$\frac{1}{5}$



$\frac{1}{3}$

$\frac{3}{4}$

$\frac{3}{5}$

$\frac{3}{8}$



$\frac{1}{2}$

$\frac{1}{4}$

$\frac{2}{3}$

$\frac{3}{4}$

SHADE THE FRACTIONAL AMOUNT

$\frac{1}{3}$



Each bucket holds 1 gallon.

How many gallons are shown? Circle the best answer.



$\frac{1}{4}$

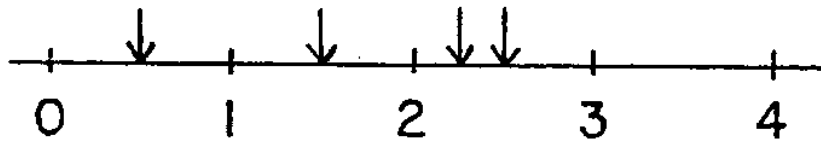
$\frac{1}{2}$

$1\frac{3}{4}$

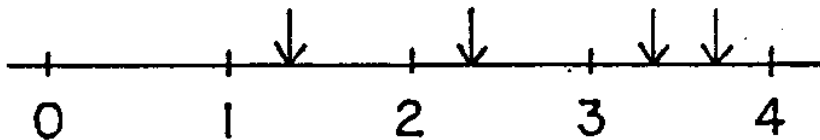
2

$2\frac{1}{2}$

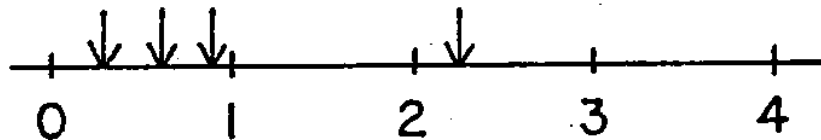
Circle the arrow that points to $2\frac{1}{2}$ on the number line.



Circle the arrow that points to $3\frac{1}{3}$ on the number line.



Circle the arrow that points to $\frac{9}{10}$ on the number line.



Put the correct answer in the box.

$$\frac{2}{5} + \frac{1}{5} = \square$$

$$\frac{1}{2} + \frac{1}{4} = \square$$

$$\frac{1}{2} \text{ of } 120 = \square$$

1. Shirts cost \$10 each.
Peter bought 2 shirts on Monday.
He bought 3 shirts on Tuesday.
How much did the shirts cost him altogether? _____

2. The cost of gum is 3 pieces for 10¢.
How many pieces can we buy for 40¢? _____

3. Pam gets 50¢ each week.
She always spends 30¢ and saves the rest.
How much will she save in 4 weeks? _____

4. On Saturday Amy and Susan made \$13 selling lemonade.
On Sunday they made \$5.
They put their money together and divided it evenly.
How much did each girl get? _____

5. Joan starts with \$40.
Each week she spends \$2.
How much will she have left after 5 weeks? _____

6. Jim has \$10 in his bank now.
Each week he will add \$5 to his bank.
In how many weeks will he have \$30 in his bank? _____

7. Tom has 3¢ more than Ann.
Tom has 5¢ less than John.
If John has 20¢, how much does Ann have? _____

MANY DIFFERENT ANSWERS

1. Rules: Write all the numbers you can.

Use only the digits 1, 2, 3.

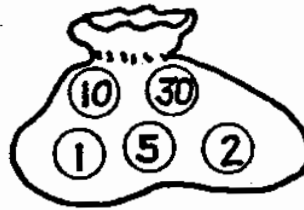
Don't use any digit more than once.

Give all possible numbers. ~~124, 22, 2, 31, 132~~ _____

2. Rules: Take out two balls.

Add the two numbers to get a score.

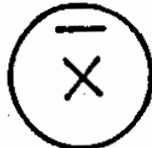
What are the possible scores? ~~6, 2, 35,~~ _____



3. 3 STICKS



CROSS IN NO
PLACES



CROSS IN ONE
PLACE

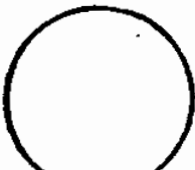


CROSS IN TWO
PLACES

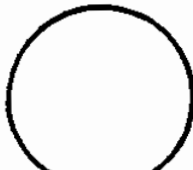


CROSS IN THREE
PLACES

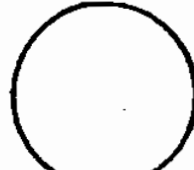
4 STICKS



CROSS IN NO
PLACES



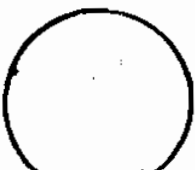
CROSS IN ONE
PLACE



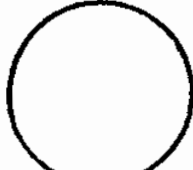
CROSS IN TWO
PLACES



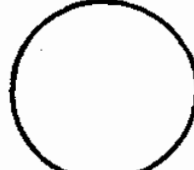
CROSS IN THREE
PLACES



CROSS IN FOUR
PLACES



CROSS IN FIVE
PLACES



CROSS IN SIX
PLACES