X1

Unusual Problems

Name _____

PRACTICE

483 + 357	0	10	50	100	500 X	1000
48 + 49	0	10	50	100	500	1000

X1

8 DIVIDED BY 2 = 4

This means the same as $8 \div 2 = 4$

It also means the same as $2\overline{)8} = 4$

DIVISION

300 DIVIDED BY 4	0	1	10	20	100
190 DIVIDED BY 10	0	1	10	20	100
1 DIVIDED BY 2	0	1	10	20	100
101 DIVIDED BY 9	0	1	10	20	100
133 DIVIDED BY 50	0	1	10	20	100
18,230 DIVIDED BY 1,000	0	1	10	20	100
850 DIVIDED BY 101	0	1	10	20	100
180 DIVIDED BY 21	0	1	10	20	100

stop

ABOVE ZERO - BELOW ZERO

Each Hit: Gain 5 points

Each Miss: Lose 1 point

	Started with a score of	Number of Hits	Number of Misses	Ended with a score of
Jill	0	1	7	
Eric	2	1		4
Bill	0	1	1	
Jane	3	0	7	
Peter	10 below zero	1		12 below zero
Beth	3 below zero		2	5
John		2	0	15 below zero

stop

1. Shirts cost $10 each and ties cost $5 each.
   Altogether Joe spent $35 for shirts and ties.
   He bought 2 shirts.
   How many ties did he buy?_____

2. Joe puts boxes into piles.
   Each box is $\frac{1}{2}$ foot high.
   Each pile is 5 feet high.
   How many boxes does he need to make 3 piles? _____

3. Bill loads 6 boxes in 2 hours.
   John loads 4 boxes in 2 hours.
   Together, how many boxes do they load in 6 hours? _____

go on to the next page

4. Mary has 4 more marbles than Pete.
Pete has 2 more marbles than Lisa.
Lisa has 3 more marbles than Ed.
If Mary has 20 marbles, how many does Ed have? _____

5. Monday, Tom ran 13 miles.
Tuesday, he ran 8 miles.
Wednesday, he ran some more.
His average for the three days was 10 miles.
How many miles did he run on Wednesday? _____

stop

$7 \times 30 = \square$

$3 \times 125 = \square$

$\square \times 30 = 900$

$7 \times \square = 280$

$\square \times 250 = 500$

$12 \times 500 = \square$

$30 \times 20 \times 5 = \square$

$11 \times 273 = 3{,}003$

$22 \times 273 = \square$

$25 \times 32 = 900$

$26 \times 32 = \square$

$\square \times 585 = 0$

$(8 \times 29) + (2 \times 29) = \square$

SAMPLE:

8 Divided by 2 = 4

This means the same as $8 \div 2 = 4$

It also means the same as $2\overline{)8} = 4$

210 Divided by 3 = ☐

500 Divided by 2 = ☐

700 Divided by 10 = ☐

800 Divided by ☐ = 200

360 Divided by 90 = ☐

1,200 Divided by ☐ = 4

☐ Divided by 3 = 30

3,600 Divided by 15 = 240

3,615 Divided by 15 = ☐

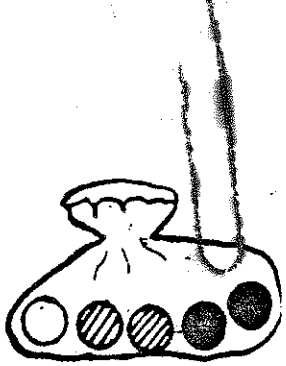
1,200 Divided by 30 = 40

1,200 Divided by 15 = ☐

524 Divided by 524 = ☐

498 Divided by ☐ = 498

stop



Game 1. Joe plays the game with marbles and a bag. He closes his eyes and takes a marble out. Then he puts it back.

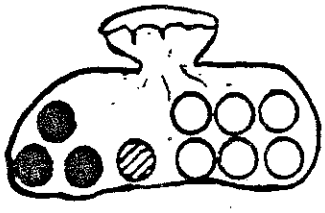
SUPPOSE JOE PLAYED THE GAME 100 TIMES

About how many times would he get a black marble? _____

About how many times would he get a white marble? _____

About how many times would he get a shaded marble? _____

About how many times would he get a marble that is <u>not</u> white? _____



Game 2. He plays the same game with different marbles.

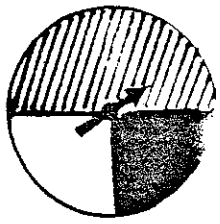
SUPPOSE JOE PLAYED THE GAME 100 TIMES

About how many times would he get a black marble? _____

About how many times would he get a white marble? _____

About how many times would he get a shaded marble? _____

About how many times would he get a marble that is white or shaded? _____



Game 3. Joe plays the game by spinning the spinner.

SUPPOSE JOE PLAYED THE GAME 100 TIMES

About how many times would it point to the black part? _____

About how many times would it point to the white part? _____

About how many times would it point to the shaded part? _____

If you want black to win, which game should you play?
(Circle your answer)

Game 1

Game 2

Game 3