

Name _____

Date _____

Volleyball Players

There are five teams in the volleyball league.
Every team has six players. How many players are
in the volleyball league?

Equation model: _____

Answer: _____

Name _____

Date _____

Hidden Rug Design

The picture shows a dog sleeping on a rug.
The rug design is a rectangular array of squares with a dot in each square.



- (1) Below are four expressions. One expression equals the total number of dots in the rug design. Which expression equals the total number of dots in the rug design?

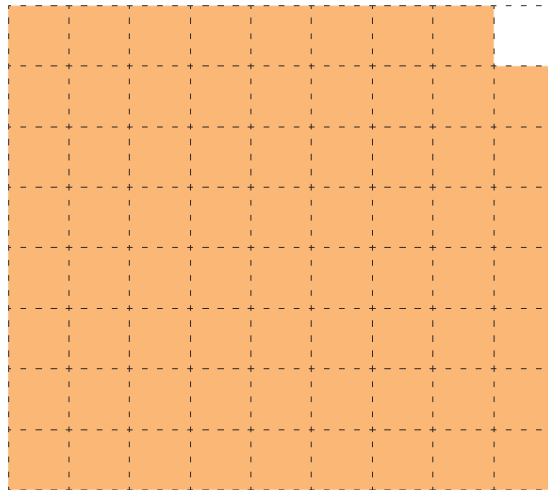
$$12 \times 14, 11 \times 14, 12 \times 15, 11 \times 15$$

- (2) Tell a classmate how you decided.

Name _____

Date _____

(1) How much area is shaded? _____



1 unit
of length

(2) Using a ruler, draw a rectangle with area 28 square centimeters. (Use a separate piece of paper, or draw your rectangle on the other side of this page.) Write the length and width of your rectangle below.

Length: _____

Width: _____

Name _____

Date _____

Corn Seeds

Jasmine bought 45 corn seeds. She arranged the seeds into piles of 9 seeds each. How many piles were there?



Equation model: _____

Answer: _____

Name _____

Date _____

Playground Cleanup

Our class picked up litter on the playground. One student wrote tally marks to record the things we picked up.

Paper IIII IIII IIII IIII
Plastic IIIII IIIII IIIII IIIII IIIII IIIII IIIII IIIII
Glass IIII IIII
Garbage IIIII IIIII IIIII IIIII IIIII IIIII

Show the data another way by drawing a scaled picture graph in which 1 picture stands for 10 things picked up.

Name _____

Date _____

(1) Using what you know about fractions, decide which is greater,

$$\frac{1}{73} \text{ or } \frac{1}{41}$$

(2) Tell a classmate how you decided.

Name _____

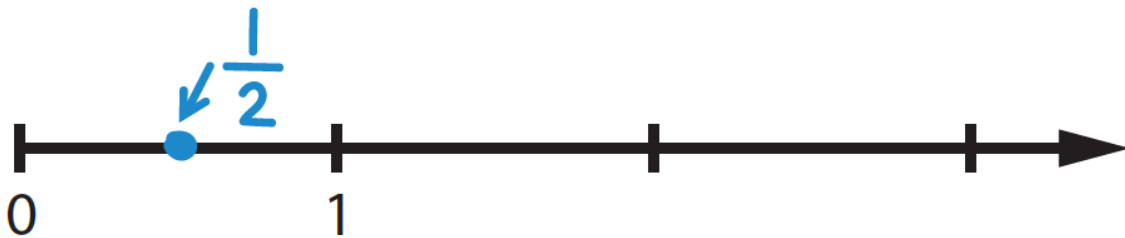
Date _____

Locating Numbers on a Number Line

Here is a list of numbers.

$$\frac{1}{2}, \frac{1}{4}, 2, \frac{5}{4}, \frac{2}{2}, \frac{3}{2}, \frac{6}{4}, \frac{2}{4}, \frac{3}{1}$$

Draw a dot to show the location of each number. Label each dot. The first number in the list has been located for you.



Name _____

Date _____

(1) Name two attributes that are shared by triangles and squares.

(2) Name a category of shapes that includes triangles and squares and also includes other shapes that have both of the attributes you mentioned.

Name _____

Date _____

Bulletin Board Pictures

Our class painted pictures. The teacher will hang the pictures on 4 bulletin boards. The teacher will hang the same number of pictures on each board. How many pictures will be on each board? There are 32 pictures to hang.

Name _____

Date _____

Alice's Multiplication Fact

Alice forgot what 7×8 equals. Alice knows that $5 \times 8 = 40$ and $2 \times 8 = 16$.

- (1) Write a sentence to tell Alice how she can find the value of 7×8 by using the two facts she knows.
- (2) Draw a diagram that could help Alice understand why your method works.
- (3) Choose two numbers other than 7 and 8, and try using your method to multiply them. Will your method work for any pair of factors? Say why you think so.

Name _____

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Water Balloons

Steven, Hawa, and 4 more friends went to the park. Steven brought 24 water balloons. Hawa brought 24 water balloons. Nobody else brought water balloons. The 6 friends shared all the water balloons equally. How many water balloons did each friend get?



This task is not designed for numerical scoring.

Name _____

Date _____

Write the value of each product. Use as much time as you need. If you “just knew it,” then draw a check mark, like this: 2×2 4 ✓

Product	Value	Product	Value	Product	Value
8×3	_____	8×6	_____	3×5	_____
7×9	_____	8×4	_____	2×3	_____
8×8	_____	5×3	_____	9×6	_____
5×7	_____	3×3	_____	5×2	_____
5×6	_____	3×2	_____	3×9	_____
4×1	_____	4×3	_____	4×4	_____
7×7	_____	6×2	_____	2×6	_____
9×5	_____	6×8	_____	6×4	_____
2×8	_____	2×5	_____	4×5	_____
1×7	_____	3×4	_____	4×7	_____
7×5	_____	2×7	_____	9×4	_____
4×9	_____	9×8	_____	4×8	_____
1×1	_____	8×7	_____	8×9	_____
2×4	_____	6×6	_____	6×5	_____
4×2	_____	3×6	_____	9×9	_____
9×7	_____	7×6	_____	7×4	_____
2×9	_____	5×8	_____	7×3	_____
5×4	_____	7×2	_____	9×3	_____
6×3	_____	6×7	_____	7×8	_____
3×8	_____	4×6	_____	3×7	_____
5×9	_____	6×9	_____	8×5	_____
8×2	_____	5×5	_____	9×2	_____

This task is not designed for numerical scoring.

Name _____

Date _____

Write the number that makes each equation true. Use as much time as you need.

Example: $\square \times 3 = 6$ 2

Day 1

$21 \div 7 = \square$ _____

$\square \times 8 = 0$ _____

$\square \times 8 = 16$ _____

$21 \div 3 = \square$ _____

$\square \times 6 = 30$ _____

$54 \div 6 = \square$ _____

$8 \times \square = 8$ _____

$36 \div 4 = \square$ _____

$54 \div 9 = \square$ _____

$18 \div 6 = \square$ _____

$1 \times \square = 7$ _____

$\square \times 9 = 18$ _____

$9 \times \square = 45$ _____

$36 \div 9 = \square$ _____

$\square \times 7 = 35$ _____

$42 \div 7 = \square$ _____

$48 \div 8 = \square$ _____

$\square \div 1 = 8$ _____

$4 \div 4 = \square$ _____

$\square \div 3 = 5$ _____

$28 \div 4 = \square$ _____

$16 \div \square = 4$ _____

Day 2

$81 \div 9 = \square$ _____

$48 \div 6 = \square$ _____

$63 \div 7 = \square$ _____

$36 \div 6 = \square$ _____

$28 \div 7 = \square$ _____

$56 \div 8 = \square$ _____

$9 \div \square = 3$ _____

$72 \div 9 = \square$ _____

$3 \times \square = 18$ _____

$24 \div 6 = \square$ _____

$27 \div 9 = \square$ _____

$12 \div \square = 2$ _____

$\square \times 3 = 15$ _____

$64 \div 8 = \square$ _____

$42 \div 6 = \square$ _____

$56 \div 7 = \square$ _____

$10 \div \square = 5$ _____

$49 \div 7 = \square$ _____

$32 \div 8 = \square$ _____

$\square \div 4 = 5$ _____

$7 \div \square = 1$ _____

$8 \times \square = 40$ _____

Day 3

$24 \div 4 = \square$ _____

$\square \times 5 = 25$ _____

$12 \div \square = 3$ _____

$32 \div 4 = \square$ _____

$\square \div 5 = 1$ _____

$24 \div 3 = \square$ _____

$24 \div 8 = \square$ _____

$\square \div 2 = 2$ _____

$\square \div 3 = 0$ _____

$27 \div 3 = \square$ _____

$63 \div 9 = \square$ _____

$2 \times \square = 12$ _____

$\square \div 3 = 4$ _____

$72 \div 8 = \square$ _____

$1 \times \square = 1$ _____

$7 \times \square = 0$ _____

$7 \times \square = 14$ _____

$6 \div \square = 6$ _____

$1 \times \square = 5$ _____

$0 \div 6 = \square$ _____

$9 \div 1 = \square$ _____

$6 \times \square = 6$ _____

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Fluency within 1000 (Add/Subtract)

1. Write the sums and differences. Calculate with pencil and paper.

(a)
$$\begin{array}{r} 351 \\ + 472 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 264 \\ + 438 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 625 \\ - 261 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 831 \\ - 444 \\ \hline \end{array}$$

2. Write the sums and differences. Calculate mentally.

(a) $800 - 300 = \underline{\hspace{2cm}}$

(b) $240 + 540 = \underline{\hspace{2cm}}$

(c) $365 - 165 = \underline{\hspace{2cm}}$

(d) $612 - 13 = \underline{\hspace{2cm}}$