NAME _____ | **DATE** _____

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1 Solve as many of these multiplication problems as you can in one minute.

2	3	4	2	1	3	5
× 4	× 1	× 4	× 2	× 1	× 2	× 5

3	5	5	6	4	5	6
× 3	× 0	× 2	× 3	× 1	× 3	× 2

5	1	4	3	5	6	
× 6	× 6	× 5	× 4	× 1	× 4	

2 <u>Draw a line</u> from each of the multiplication models to the matching equation. Then fill in the blank to show the answer. **Use your multiplication chart**

Count the boxes

a

$4 \times 6 =$ _____

Count the stars

b
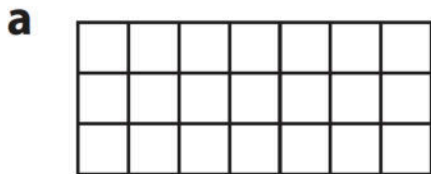
$4 \times 3 =$ _____

Count the fingers

c

$3 \times 7 =$ _____

Look at where the last hop lands

d

$5 \times 5 =$ _____

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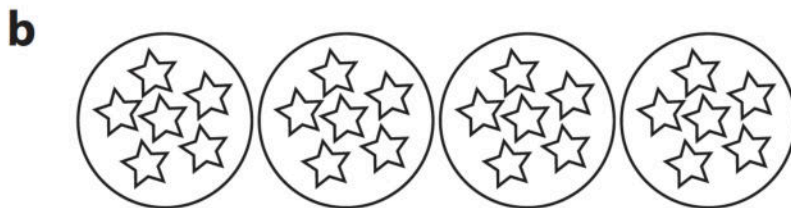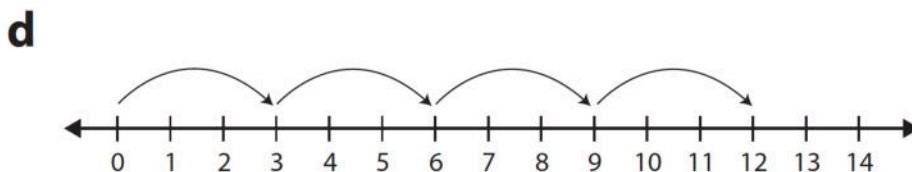
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3 One day, María José saw 6 cars in the parking lot. Each car had 4 tires.

  a How many tires in all? Use numbers, labeled sketches, or words to help solve this problem.
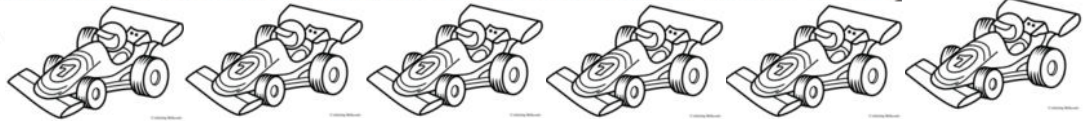
  Equation: _____ Answer: _____ _____

  Number   Label (item)

  b Which expression matches this problem? Fill in the bubble to show.

  ○ $6 + 4$

  ○ $6 - 4$

  ○ 6×4

  ○ $6 + 6 + 6$

4 Write a story problem, including a question, to match this equation: $3 \times 5 = 15$.

Choose a story problem that matches 3 x 5 = 15

  a. There were 3 ladybugs on a leaf. Five more crawled on to the leaf. How many ladybugs are there now?
  b. There were 3 leaves. Each leaf had 5 ladybugs on it. How many ladybugs are there in all?
  c. There were 5 ladybugs on a leaf. Three crawled off. How many lady bugs are there now?
  d. There were 15 ladybugs. The same amount was on each of the 3 leaves. How many were on each leaf?

5 Add these two numbers. Use the most efficient strategy you can come up with. Show all your work.

$398 + 127 =$ _____

$$\begin{array}{r} 398 \\ +127 \\ \hline \end{array}$$

6 Subtract these two numbers. Use the most efficient strategy you can come up with. Show all your work.

$381 - 357 =$ _____

$$\begin{array}{r} 381 \\ -357 \\ \hline \end{array}$$

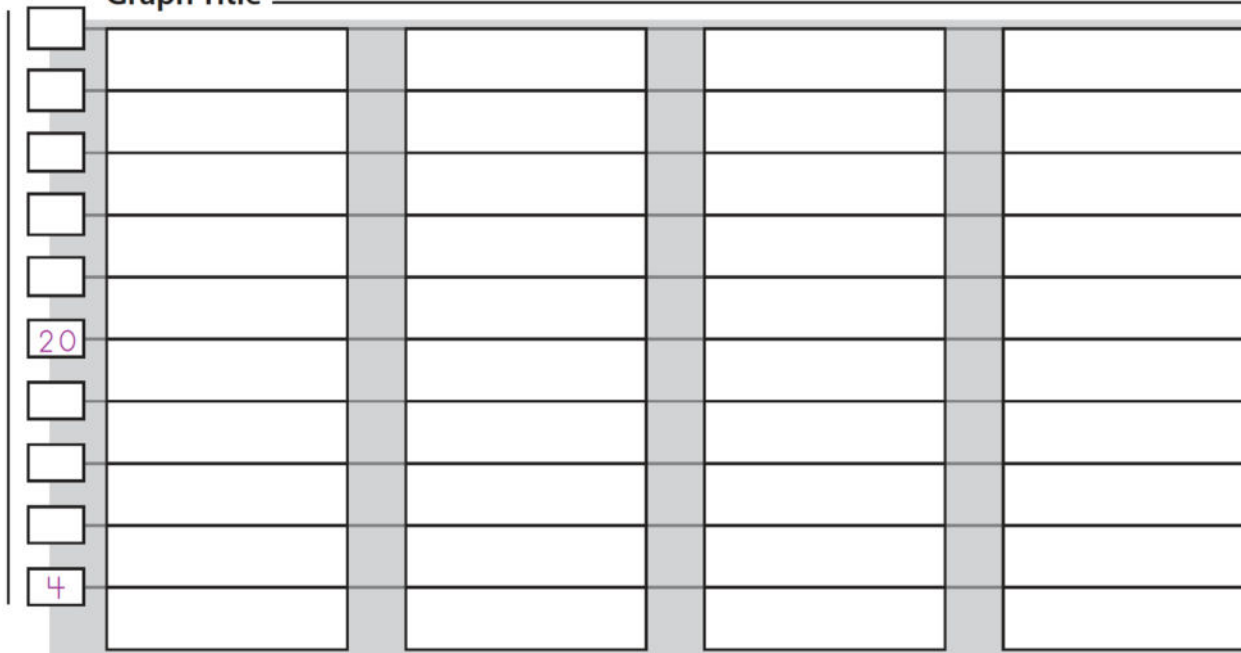NAME _____ | DATE _____

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7 Max surveyed the kids in all the third grade classrooms at his school to find out what kind of books they like best. This chart shows the results of Max's survey.

Type of Book	Number of Kids Who Like This Type Best
Adventure	24
Fantasy	36
Science	22
Sports	18

a Use the grid below to make a bar graph that shows the results of Max's survey. Remember to include these things on your graph:

- Graph title and labels.
- Scale numbers. (Each box represents 4 kids. Two numbers are already filled in.)
- The data from Max's survey.

Graph Title _____

20

4

Title Choices for side:	Title Choices for bottom:
Number of Kids	24, 36, 22, 18
Number of Books	Adventure, Fantasy, Science, Sports
Number of Hours	Max, John, Mary, Lisa

Title Choices for Top:	Number Choices for Side:
Favorite type of book	4, 5, 6, 7, 20, 21, 22, 23, 24, 25
Favorite field trip	4, 6, 8, 10, 20, 22, 24, 26, 28, 30
Favorite type of TV show	4, 8, 12, 16, 20, 24, 28, 32, 36, 40

Type of Book	Number of Kids Who Like This Type Best
Adventure	24
Fantasy	36
Science	22
Sports	18

b <u>How many more</u> kids in Max's survey liked fantasy books than sports books? Show your work.

Equation: _____

Answer: _____ _____
       Number   Label (item)

c <u>How many more</u> kids liked adventure and fantasy books than science and sports books? Show your work.

Equation for adventure and fantasy books put together: _____

Equation for science and sports books put together: _____

Equation for difference between adventure and fantasy books and science and sports books:

_____

Answer: _____ _____
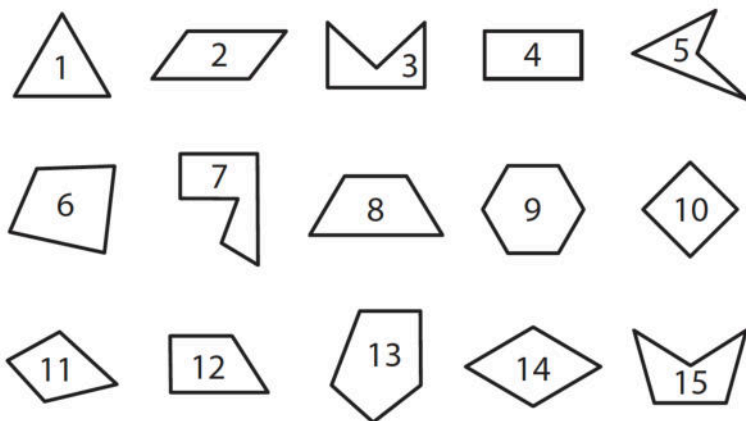   Number   Label (item)

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A quadrilateral has 4 sides.

A trapezoid has 4 sides, with only 1 set of parallel sides

8 Here is a set of shapes.

a Find all the quadrilaterals and color them yellow.

b Sam says Shape 8 in the set above is a trapezoid. Briana says it's a quadrilateral. The teacher says Sam and Briana are both right. Explain how that can be true.

Choose the correct answer:
   a. It has 3 sides which makes it both a trapezoid and a quadrilateral.
   b. It has 4 sides which makes it both a trapezoid and a quadrilateral.
   c. All quadrilaterals and trapezoids look exactly like shape number 8.

c Sara says Shape 5 in the set above is not a quadrilateral because it's too pointy. Do you agree with Sara? Why or why not?
   Choose the correct answer:
   a. I agree because it looks like a triangle.
   b. I agree because it's not a rectangle or square.
   c. I disagree because it has 4 sides and any 4 sided shape is a quadrilateral.
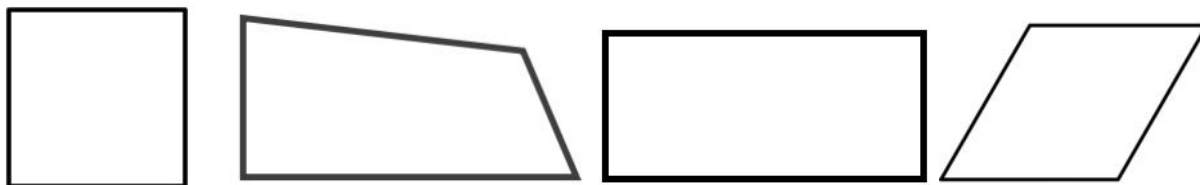   d. I disagree because all quadrilaterals look exactly like shape number 5.

d Choose *all* the names you could use for Shape 14 in the set above.

There are 3 correct answers

   ○ square
   ○ quadrilateral
   ○ rhombus
   ○ parallelogram

e Circle the quadrilateral that is _not_ a rhombus, a rectangle, or a square.
   Choose the correct shape

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9 I had 1 liter of water in a pitcher. On the way back to my table I spilled some. I had 825 milliliters left. How much water did I spill? Show your work.

1,000 milliliters = 1 Liter

Choose an equation: **Solve the equation you chose:**
- a. 825-1= ___
- b. 825 + 1 = ___
- c. 1,000 – 825= ___
- d. 1,000 + 825= ___

I have spilled _____ milliliters of water.

10 Travis bikes 15 miles a day. His goal is to bike a total of 125 miles. After 4 days, how many more miles does Travis have to bike to meet his goal? Show your work.

Choose an equation: **Solve the equation you chose:**
- a. 125 + 15= ___
- b. 125 - 15 = ___
- c. 15 + 15 + 15 + 15 + 125 = ___
- d. 125 – (15 + 15 + 15 + 15) = ___

Travis has to bike _____ more miles to reach his goal.