



- ☐ Count by 4's to 48.
- ☐ Practice your H and $\times 2$ flash cards for 5 minutes.
- ☐ Do Speed Drill 14 on page 67.
- ☐ Record your score in the graph on page 60.

Using Function Tables

Function tables help you do the same thing to many numbers.

The functions
+, −, or \times tell you
to add, subtract, or
multiply.

+ 4	
3	7
6	10
9	13
7	11

The number beside
the function tells you
how many to add,
subtract, or multiply.

This is an addition function table. We add 4 to each number on the left and write the answer in the box on the right.

$3 + 4 = 7$ Write 7 in the box on the right.

$6 + 4 = 10$ Write 10 in the box on the right.

Can you finish the last two?

Insect legs have 5 segments. Our legs have only 3 segments: foot, lower leg, and thigh. Does that mean that insects have two extra “knees”?



Finish the function tables.

1.

$\times 3$	
2	6
4	12
7	21
9	27

2.

$- 1$	
2	1
4	3
7	6
9	8

3.

$+ 8$	
2	10
4	12
7	15
9	17



We Remember

Write the sums and differences.

4.

$$\begin{array}{r} 8 \\ 915 \\ - 172 \\ \hline 743 \end{array}$$

$$\begin{array}{r} | | \\ \$7.85 \\ + 3.17 \\ \hline \$11.02 \end{array}$$

$$\begin{array}{r} | \\ 276 \\ + 233 \\ \hline 509 \end{array}$$

$$\begin{array}{r} | | \\ 368 \\ + 188 \\ \hline 556 \end{array}$$

$$\begin{array}{r} 4 \\ 8 \\ 7 \\ + 3 \\ \hline 22 \end{array}$$



5. A monarch butterfly laid an egg on a milkweed leaf. In 7 days the egg hatched. The little caterpillar started eating right away. He ate for 8 days and then changed into a chrysalis. In 12 more days, he unfolded into a butterfly. How long did it take for the egg to become a butterfly?



Solution

$$\begin{array}{r} 7 \\ 8 \\ + 12 \\ \hline 27 \end{array}$$

☒ joining

☐ taking away
☐ finding more or less
☐ finding the missing part

27 days

Lesson 14

Write the numbers.

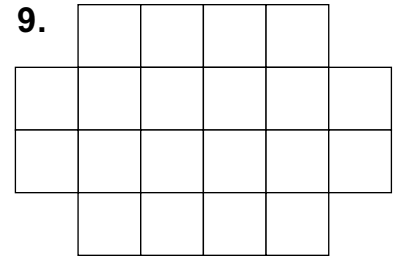
6. six hundred five thousand, three hundred fifty-six 605,356

7. twenty-five thousand, eight hundred ninety-three 25,893

Write the multiples of 6.

8. 6 12 18 24
30 36 42 48 54
60

Find the area.




20 squares

Use a sensible metric measurement to measure the waterbug. Write what unit of measure you used.

10. 5 centimeters (cm)



Use a sensible U.S. measurement to measure the millipede.
Write what unit of measure you used.

11.  3 $\frac{1}{2}$ inches (in)

— **Mental Math** . . . ? _____

12. double 22 = 44

double 5 = 10

double 400 = 800

13. $86 - 4 =$ 82

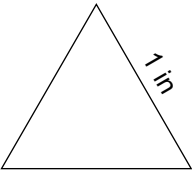
$49 - 3 =$ 46

$91 + 7 =$ 98

Write the tens that come before and after. Circle the ten that is nearer.

14. 90 97 (100) 40 45 (50) (60) 63 70

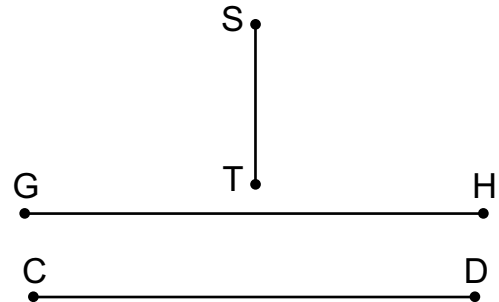
Write a number sentence and find the perimeter of the triangle.

15.  $3 \times 1 = 3$ or $1 + 1 + 1 = 3$ inches

Fill the blanks with the correct line segment.

16. Two line segments that are parallel are GH and CD . or HG and DC

17. The horizontal segments are GH and CD . or HG and DC



18. The vertical segment is ST . or TS

Which number is it? Circle the correct one

19. It is greater than $40 + 50$.

It is less than $100 + 200$.

It is an odd number.

It has two digits.

391 87 98 246 (95) 78 121

Fact Focus

20. $\begin{array}{r} 3 \\ \times 3 \\ \hline 9 \end{array}$ $\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$ $\begin{array}{r} 3 \\ \times 7 \\ \hline 21 \end{array}$ $\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$ $\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$ $\begin{array}{r} 3 \\ \times 10 \\ \hline 30 \end{array}$ $\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$ $\begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$ $\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$

21. $\begin{array}{r} 0 \\ \times 10 \\ \hline 0 \end{array}$ $\begin{array}{r} 2 \\ \times 4 \\ \hline 8 \end{array}$ $\begin{array}{r} 10 \\ \times 7 \\ \hline 70 \end{array}$ $\begin{array}{r} 5 \\ \times 1 \\ \hline 5 \end{array}$ $\begin{array}{r} 5 \\ \times 0 \\ \hline 0 \end{array}$ $\begin{array}{r} 10 \\ \times 9 \\ \hline 90 \end{array}$ $\begin{array}{r} 1 \\ \times 10 \\ \hline 10 \end{array}$ $\begin{array}{r} 5 \\ \times 8 \\ \hline 40 \end{array}$ $\begin{array}{r} 10 \\ \times 5 \\ \hline 50 \end{array}$ $\begin{array}{r} 2 \\ \times 5 \\ \hline 10 \end{array}$

15



- ☐ Count by 10's from 82 to 222.
- ☐ Practice your 1 and $\times 2$ flash cards for 5 minutes.
- ☐ Do Speed Drill 15 on page 68.
- ☐ Record your score in the graph on page 60.

Write what your teacher says.

\triangle 421,523 5,020 $\frac{6}{8}$ $17 - 9 = 8$

Adding Larger Numbers

You have learned to carry to the tens, hundreds, and thousands places.

You can carry to the ten thousands place and to the hundred thousands place too.

Write the sums. Carry when needed.

Remember to put the comma in the right place.

$$\begin{array}{r} \begin{array}{cccc} | & | & | & | \end{array} \\ 1. \quad 247,631 \\ + 581,989 \\ \hline 829,620 \end{array}$$

$$\begin{array}{r} \begin{array}{cccc} | & | & | & | \end{array} \\ 356,329 \\ + 576,784 \\ \hline 933,113 \end{array}$$

$$\begin{array}{r} \begin{array}{ccc} | & | & | \end{array} \\ 51,664 \\ + 65,437 \\ \hline 117,101 \end{array}$$

$$\begin{array}{r} \begin{array}{cccc} | & | & | & | \end{array} \\ 354,849 \\ + 494,537 \\ \hline 849,386 \end{array}$$

If you know how to carry to the hundred thousands place, you can do even bigger problems. Try these.

$$\begin{array}{r} \begin{array}{cccc} | & & | & | \end{array} \\ \star \quad 2. \quad 29,303,450 \\ + 74,109,912 \\ \hline 103,413,362 \end{array}$$

$$\begin{array}{r} \begin{array}{cccc} | & | & | & | \end{array} \\ 886,426,148 \\ + 184,294,037 \\ \hline 1,070,720,185 \end{array}$$

We Remember

Write the sums or differences.

$$\begin{array}{r} 1 \\ 698 \\ + 824 \\ \hline 1,522 \end{array}$$

$$\begin{array}{r} 3 \\ \$4.22 \\ - 2.67 \\ \hline \$1.55 \end{array}$$

$$\begin{array}{r} 3 \\ 641 \\ - 27 \\ \hline 614 \end{array}$$

$$\begin{array}{r} 4 \\ 522 \\ - 143 \\ \hline 379 \end{array}$$

$$\begin{array}{r} 3 \\ 481 \\ 279 \\ 192 \\ + 253 \\ \hline 1,205 \end{array}$$

4. Would you like to buy shoes for centipedes and millipedes?
Celia Centipede has 30 feet. Millie Millipede has 344.
How many shoes would you have to buy for both Celia and Millie?

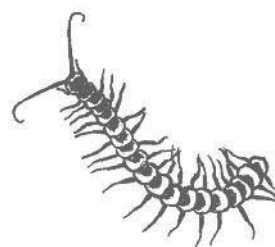
Solution

$$\begin{array}{r} 344 \\ + 30 \\ \hline 374 \end{array}$$

☒ joining

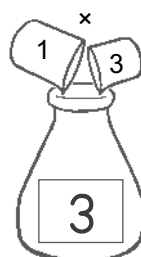
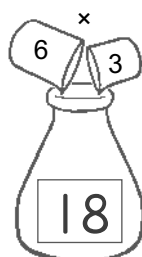
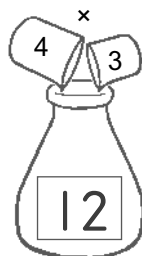
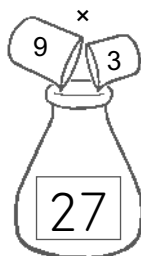
☐ taking away
finding more or less
finding the missing part

374 shoes



Multiply.

5.



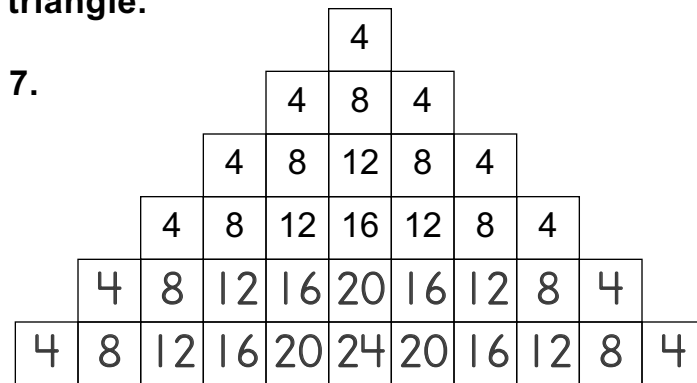
Finish the function chart.

6.

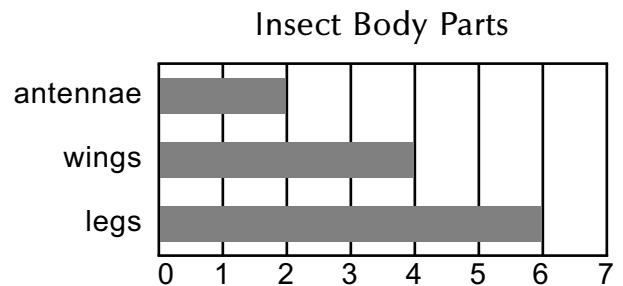
	$\times 10$
3	30
1	10
7	70
2	20

Lesson 15

Discover the pattern and complete the triangle.



This horizontal bar graph shows how many legs, wings, and antennae most insects have.



Answer the questions about the graph.

8. How many legs do most insects have? 6
9. How many more wings than antennae do most insects have? 2
10. How many more legs do insects have than you do? 4

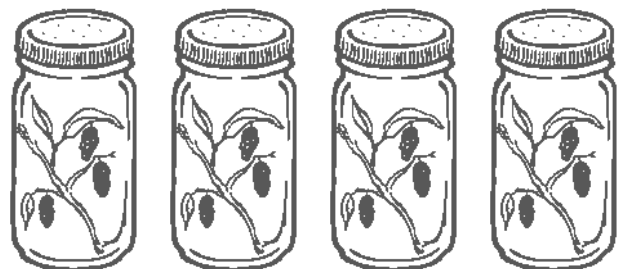
Fill in the blanks and write a multiplication sentence.

Andy has 4 jars, each holding 3 cocoons.
How many cocoons does Andy have?

11. 4 groups of 3 is 12

$$\underline{4 \times 3 = 12}$$

12 cocoons



Mental Math . . . ?

12. $25 - 2 = \underline{23}$

$68 - 5 = \underline{63}$

$90 - 30 = \underline{60}$

13. $700 - 300 = \underline{400}$

$200 + 600 = \underline{800}$

$900 - 300 = \underline{600}$

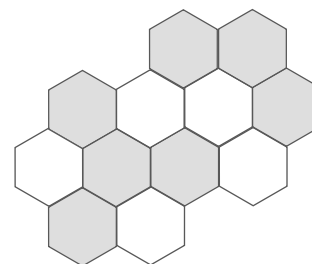
Fill in the blanks or circle the correct answer.

14. Bees store honey in little hexagon cells.

What fraction of these cells are full of honey?

(The shaded cells have honey.)

$$\frac{7}{12}$$



15. Are the cells of the honeycomb congruent? **yes** no

16. The numerator in $\frac{7}{12}$ is 7 and the denominator is 12.

Write the multiples of 12.

17. 12 24 36 48 60

Write the multiples of 6.

18. 6 12 18 24 30 36 42 48 54 60

Fact Focus

19. $\begin{array}{r} 3 \\ \times 1 \\ \hline 3 \end{array}$ $\begin{array}{r} 3 \\ \times 8 \\ \hline 24 \end{array}$ $\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$ $\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$ $\begin{array}{r} 3 \\ \times 2 \\ \hline 6 \end{array}$ $\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$ $\begin{array}{r} 3 \\ \times 7 \\ \hline 21 \end{array}$ $\begin{array}{r} 3 \\ \times 10 \\ \hline 30 \end{array}$ $\begin{array}{r} 3 \\ \times 3 \\ \hline 9 \end{array}$ $\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$

20. $\begin{array}{r} 2 \\ \times 1 \\ \hline 2 \end{array}$ $\begin{array}{r} 0 \\ \times 4 \\ \hline 0 \end{array}$ $\begin{array}{r} 5 \\ \times 8 \\ \hline 40 \end{array}$ $\begin{array}{r} 10 \\ \times 0 \\ \hline 0 \end{array}$ $\begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$ $\begin{array}{r} 1 \\ \times 1 \\ \hline 1 \end{array}$ $\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$ $\begin{array}{r} 10 \\ \times 1 \\ \hline 10 \end{array}$ $\begin{array}{r} 5 \\ \times 7 \\ \hline 35 \end{array}$ $\begin{array}{r} 2 \\ \times 0 \\ \hline 0 \end{array}$