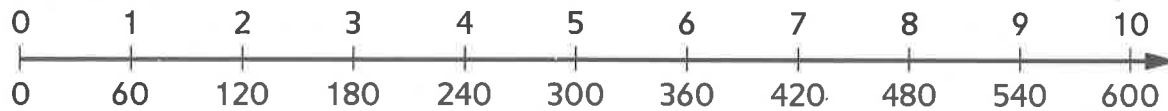


Converting Units of Time



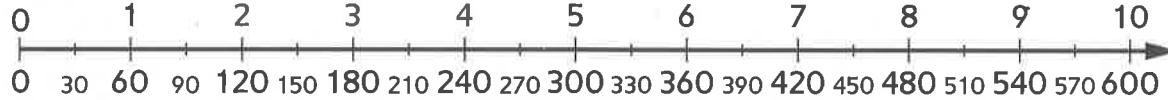
Use the measurement scales to fill in the tables and answer the questions.

minutes



seconds

hours



minutes

①

Hours	Minutes
1	60
4	
8	
11	

②

Minutes	Seconds
1	60
5	
10	
20	

- ③ Zac worked on his spelling for 9 minutes last night and 8 minutes this afternoon. How many seconds did he work? Answer: _____ seconds
- ④ Eton's baby sister took a nap for 2 hours and 22 minutes yesterday and 1 hour and 35 minutes today. How many more minutes did she sleep yesterday than today? Answer: _____ minutes

Try This

- ⑤ How many seconds did Eton's baby sister sleep all together? Answer: _____ seconds

Practice

- ⑥ $945 + 1,055 =$ _____
- ⑦ $2,953 + 4,471 =$ _____
- ⑧ $4,552 + 4,548 =$ _____
- ⑨ $3,649 + 3,649 =$ _____

Multiplicative Comparisons

Home Link 2-8

NAME _____

DATE _____

TIME _____

Family Note In this lesson students used comparison statements and equations to represent situations in which one quantity is a number of times as much as another quantity. For example: José saved \$5 over the summer. His sister saved 3 times as much. How much money did José's sister save? In this number story students compare the amount of money José saved to the amount his sister saved. Students write the equation $3 * 5 = 15$ to represent this comparison and solve the problem: José's sister saved \$15. Because these comparison statements and equations involve multiplication, they are called multiplicative comparisons.

Complete the problems below. Write an equation with a letter for the unknown and solve.



- ① What number is 7 times as much as 9?

Equation with unknown: _____

Answer: _____

- ② What number is 5 times as much as 6?

Equation with unknown: _____

Answer: _____

- ③ 32 is 4 times as much as what number?

a. Equation with unknown: _____

b. Answer: _____

- ④ Write an equation to represent this situation and solve.

Ameer worked 3 times as many hours as Simi each week during the summer. If Simi worked 10 hours each week, how many hours did Ameer work each week?

a. Equation with unknown: _____

b. Answer: _____ hours

Practice

⑤ $7,482 - 7,083 =$ _____

⑥ $7,702 - 3,581 =$ _____

⑦ $5,201 - 3,052 =$ _____

⑧ $8,002 - 5,403 =$ _____

Solving Multiplicative Comparison Number Stories



Make a diagram or drawing and write an equation to represent the situation. Then find the answer.

- ① Judith collected 9 marbles. Swen has 6 times as many. How many marbles does Swen have?

Diagram or drawing:

Equation with unknown: _____

Answer: _____ marbles

- ② Sol ran 4 times as many minutes as Jerry. Jerry ran 12 minutes. How many minutes did Sol run?

Diagram or drawing:

Equation with unknown: _____

Answer: _____ minutes

Insert quantities into the number story. Make a diagram and write an equation to represent the story.

- ③ Lola picked _____ apples. Eilene picked _____ apples. Eilene picked _____ times as many apples as Lola.

Diagram or drawing:

Equation with unknown: _____

Answer: _____ apples

Practice

Write these numbers in expanded form.

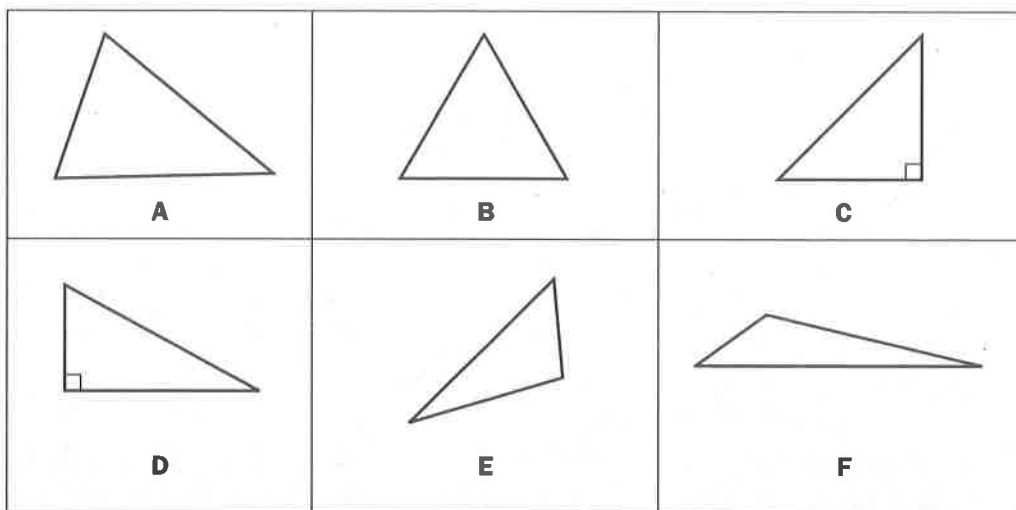
④ 3,830 _____

⑤ 56,037 _____

⑥ 800,700 _____

⑦ 716,305 _____

Identifying Triangles



Write the letter or letters that match each statement.

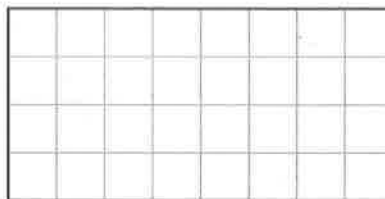
- ① Has perpendicular line segments _____
- ② Has an obtuse angle _____
- ③ Has right angles _____
- ④ Has acute angles _____
- ⑤ Has more than one kind of angle _____
- ⑥ Has only one kind of angle _____
- ⑦ Does NOT have any right angles _____
- ⑧ Is a right triangle _____

Practice

- ⑨ List all the factors of 12. _____
- ⑩ Name the next 4 multiples of 7. 35, _____, _____, _____, _____

Drawing Quadrilaterals

- ① A parallelogram is a quadrilateral that has 2 pairs of parallel sides. Draw a parallelogram.



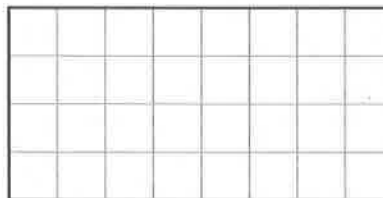
- ② Answer each question, drawing pictures on the back of this page to help you.

a. Can a parallelogram have right angles? _____ Explain.

b. Could a quadrilateral have 4 obtuse angles? _____ Explain.

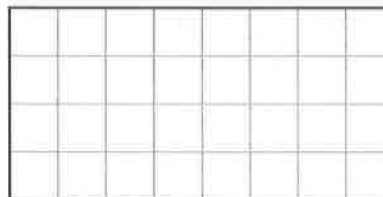
c. Name a quadrilateral that has at least 1 pair of parallel sides.

- ③ Draw a quadrilateral that has at least 1 right angle.



- ④ Draw a quadrilateral that has 2 separate pairs of equal length sides but is NOT a parallelogram.

This is called a _____.



Practice

⑤ $5 * 30 =$ _____

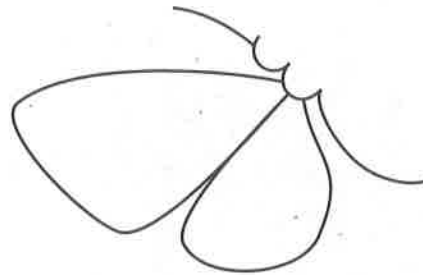
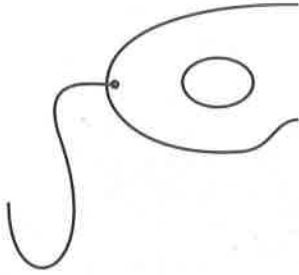
⑥ _____ $= 40 * 3$

⑦ _____ $= 80 * 6$

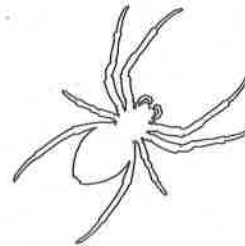
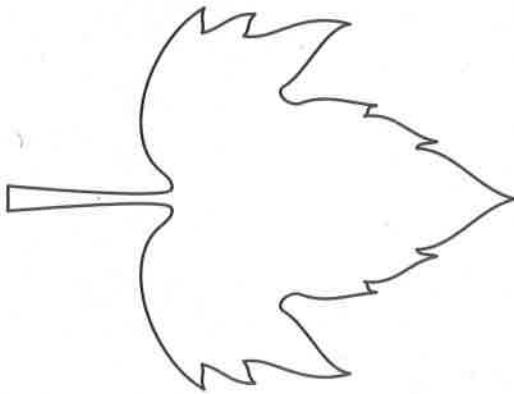
⑧ $6 * 70 =$ _____

Drawing Lines of Symmetry

- ① Draw the other half of each picture to make it symmetrical. Use a straightedge to form the line of symmetry.



- ② Draw a line of symmetry for each figure.



- ③ List four items in your home that are symmetric. Pick one item and draw it below, including at least one line of symmetry.

Item: _____

Item: _____

Drawing: _____

Item: _____

Item: _____

Practice

④ _____ = 2,767 + 3,254

⑤ 193 + 6,978 = _____

⑥ 7,652 - 5,388 = _____

⑦ _____ = 4,273 - 1,678

Identifying Patterns

Home Link 2-13		
NAME	DATE	TIME

① Complete.

in ↓	in	out
<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> <p>Rule</p> <hr/> <p>* 9</p> </div>	2	18
	4	27
	6	45
↓ out		

What patterns do you see?

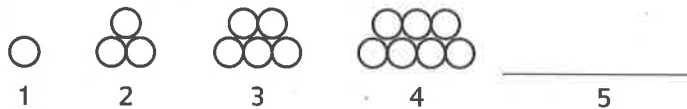
② Complete.



in ↓	in	out
<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> <p>Rule</p> <hr/> <p>+ 11</p> </div>	11	22
	33	33
	55	55
↓ out		

What patterns do you see?

③ Study the pattern.



a. Draw the next step in the pattern. What patterns do you notice?

b. How many circles will be in the 6th step? _____ In the 10th step? _____

c. How did you figure out how many circles will be in the 10th step?

Practice

④ $800,000 + 90 =$ _____

⑤ $200,000 + 50,000 + 4 =$ _____