

**Practice Set 70**Use with or after  
Lesson 11·1

Write your answers below or on another piece of paper.

A nickel weighs about 5 grams. A liter of soda weighs about 1 kilogram.

Match the object with a possible weight. Write the letter of the possible weight.

- |                                    |           |
|------------------------------------|-----------|
| 1. a pair of scissors _____        | A. 200 kg |
| 2. a mug of hot chocolate _____    | B. 1 kg   |
| 3. a loaf of bread _____           | C. 1 g    |
| 4. a full-grown grizzly bear _____ | D. 50 g   |
| 5. a safety pin _____              | E. 350 g  |

**Solve.**

6. Two regular-size paper clips weigh about 1 gram. About how many paper clips would it take to weigh 10 grams?  
\_\_\_\_\_
7. About how many clips would it take to weigh 1 kilogram?  
(One kilogram = 1,000 grams.)  
\_\_\_\_\_
8. One ounce is about 30 grams. About how many regular-size paper clips are there in 1 ounce?  
\_\_\_\_\_
9. How many clips are there in 1 pound? \_\_\_\_\_
10. About how much does a box of 1,000 paper clips weigh if the empty box weighs 15 grams?  
\_\_\_\_\_
11.  $8 * 9 =$  \_\_\_\_\_
12.  $96 / 8 =$  \_\_\_\_\_
13.  $60 \div 12 =$  \_\_\_\_\_
14.  $12 * 7 =$  \_\_\_\_\_
15.  $6 * 11 =$  \_\_\_\_\_
16.  $9 * 5 =$  \_\_\_\_\_
17.  $6 * 4 =$  \_\_\_\_\_
18.  $80 / 10 =$  \_\_\_\_\_
19.  $10 * 11 =$  \_\_\_\_\_
20.  $7 * 11 =$  \_\_\_\_\_



Write your answers below or on another piece of paper.

Complete the Powers of 10 Table.

<b>The Powers of 10 Table</b>						
<b>Millions</b>	<b>Hundred-Thousands</b>	<b>Ten-Thousands</b>	<b>Thousands</b>	<b>Hundreds</b>	<b>Tens</b>	<b>Ones</b>
1,000,000				100		1
10 [100,000s]			10 [100s]			10 [0.1s]
		$10 * 10 * 10 * 10$				
	$10^5$		$10^3$			$10^0$

**Practice Set 71**Use with or after  
Lesson 11-2

Write your answers below or on another piece of paper.

Write the letter of the description that matches the polygon.

1. equilateral triangle \_\_\_\_\_



A. 4 sides of equal length, 4 right angles

2. parallelogram \_\_\_\_\_



B. no right angles, all sides the same length

3. square \_\_\_\_\_



C. only 1 pair of parallel sides

4. trapezoid \_\_\_\_\_



D. 2 pairs of parallel sides, no right angles

5. How much is
- $\frac{1}{8}$
- of 32¢? \_\_\_\_\_ ¢

6. How much is
- $\frac{4}{9}$
- of 54¢? \_\_\_\_\_ ¢

7. How much is
- $\frac{1}{10}$
- of 80¢? \_\_\_\_\_ ¢

8. How much is
- $\frac{1}{3}$
- of 90¢? \_\_\_\_\_ ¢

9. How much is
- $\frac{1}{5}$
- of \$2.20? \_\_\_\_\_ ¢

10. How much is
- $\frac{2}{3}$
- of 27¢? \_\_\_\_\_ ¢

11. How much money, without tax, will I need for 3 audiotapes that cost \$1.69 each?
- 
- \_\_\_\_\_

# Practice Set 72

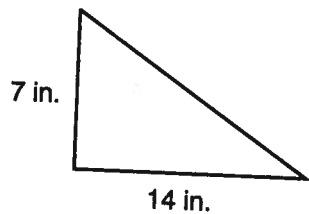
Use with or after  
Lesson 11-4



Write your answers below or on another piece of paper.

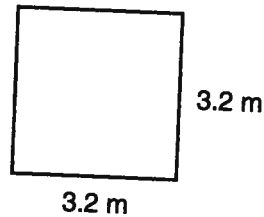
Find the area of each polygon.

1.



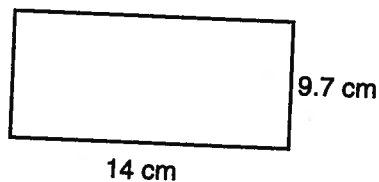
Area: \_\_\_\_\_

2.



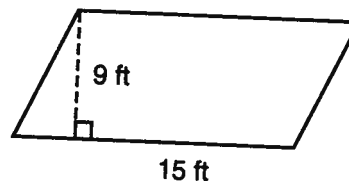
Area: \_\_\_\_\_

3.



Area: \_\_\_\_\_

4.



Area: \_\_\_\_\_

Solve.

$$\begin{array}{r} 5. \quad 56 \\ + 98 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 13 \\ + 73 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 74 \\ - 46 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 30 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 623 \\ \quad 351 \\ + 249 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 403 \\ + 382 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 91 \\ * 100 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 5,348 \\ + 6,155 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 4,390 \\ - 240 \\ \hline \end{array}$$

14.  $(80 + 80) * 5 =$  \_\_\_\_\_

15.  $36 + (7 * 9) =$  \_\_\_\_\_

16.  $60 + 450 + 338 =$  \_\_\_\_\_

17.  $(40 * 5) - 30 =$  \_\_\_\_\_

**Practice Set 72** *continued*Use with or after  
Lesson 11·4

Write your answers below or on another piece of paper.

In each set of problems below, do as many exercises as you can in one minute.  
Ask someone to time you.

**Problem Set 1**

18.  $14 - 6 =$  \_\_\_\_\_  
19.  $7 / 7 =$  \_\_\_\_\_  
20.  $96 / 8 =$  \_\_\_\_\_  
21.  $4 * 111 =$  \_\_\_\_\_  
22.  $11 - 4 =$  \_\_\_\_\_  
23.  $12 + 5 =$  \_\_\_\_\_  
24.  $14 + 8 =$  \_\_\_\_\_  
25.  $12 - 7 =$  \_\_\_\_\_  
26.  $54 / 9 =$  \_\_\_\_\_  
27.  $9 * 12 =$  \_\_\_\_\_  
28.  $14 / 7 =$  \_\_\_\_\_  
29.  $24 / 3 =$  \_\_\_\_\_  
30.  $5 + 6 =$  \_\_\_\_\_  
31.  $18 / 2 =$  \_\_\_\_\_  
32.  $4 * 80 =$  \_\_\_\_\_

**Problem Set 2**

33.  $84 / 7 =$  \_\_\_\_\_  
34.  $12 * 11 =$  \_\_\_\_\_  
35.  $7 + 18 =$  \_\_\_\_\_  
36.  $3 * 8 =$  \_\_\_\_\_  
37.  $4 * 10 =$  \_\_\_\_\_  
38.  $11 * 4 =$  \_\_\_\_\_  
39.  $3 * 11 =$  \_\_\_\_\_  
40.  $12 + 9 =$  \_\_\_\_\_  
41.  $4 * 7 =$  \_\_\_\_\_  
42.  $11 + 11 =$  \_\_\_\_\_  
43.  $81 / 9 =$  \_\_\_\_\_  
44.  $54 / 6 =$  \_\_\_\_\_  
45.  $50 + 60 =$  \_\_\_\_\_  
46.  $40 / 10 =$  \_\_\_\_\_  
47.  $27 / 3 =$  \_\_\_\_\_

**Problem Set 3**

48.  $72 / 6 =$  \_\_\_\_\_  
49.  $44 / 4 =$  \_\_\_\_\_  
50.  $121 - 11 =$  \_\_\_\_\_  
51.  $9 * 9 =$  \_\_\_\_\_  
52.  $144 / 12 =$  \_\_\_\_\_  
53.  $7 * 8 =$  \_\_\_\_\_  
54.  $4 * 70 =$  \_\_\_\_\_  
55.  $144 / 12 =$  \_\_\_\_\_  
56.  $21 - 3 =$  \_\_\_\_\_  
57.  $55 + 5 =$  \_\_\_\_\_  
58.  $6 * 7 =$  \_\_\_\_\_  
59.  $9 * 9 =$  \_\_\_\_\_  
60.  $500 + 600 =$  \_\_\_\_\_  
61.  $32 / 8 =$  \_\_\_\_\_  
62.  $36 / 9 =$  \_\_\_\_\_

# Practice Set 73

Use with or after  
Lesson 11-5



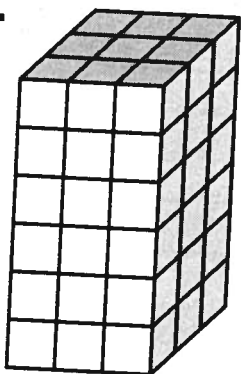
Write your answers below or on another piece of paper.  
Find the volume of each rectangular prism.

$$\begin{aligned} \text{Volume} &= \text{length} \times \text{width} \times \text{height} \\ &= \text{area of base} \times \text{height} \end{aligned}$$



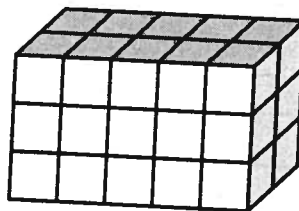
1 cubic unit

1.



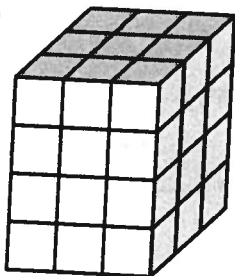
Volume = \_\_\_\_\_ cubic units

2.



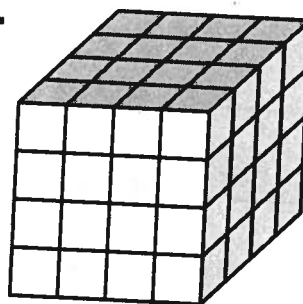
Volume = \_\_\_\_\_ cubic units

3.



Volume = \_\_\_\_\_ cubic units

4.



Volume = \_\_\_\_\_ cubic units

Write two equivalent fractions for each of the following numbers.

5.  $\frac{1}{3}$  \_\_\_\_\_

6.  $\frac{3}{4}$  \_\_\_\_\_

7.  $\frac{3}{6}$  \_\_\_\_\_

8.  $\frac{5}{12}$  \_\_\_\_\_

9.  $\frac{10}{16}$  \_\_\_\_\_

10.  $\frac{14}{7}$  \_\_\_\_\_

11. 1 \_\_\_\_\_

12.  $\frac{6}{9}$  \_\_\_\_\_

**Practice Set 73** *continued*Use with or after  
Lesson 11-5

Write your answers below or on another piece of paper.

A super-sized pizza is divided into 12 pieces.

13. John ate 3 pieces of the pizza and Aaron ate 2 pieces.  
What fraction of the pizza was left?

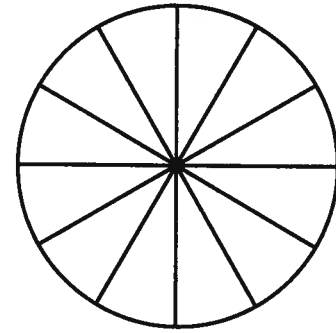
\_\_\_\_\_

14. Charlie, Loren, and Travis each ate 1 piece of pizza.  
What fraction of the pizza did they eat?

\_\_\_\_\_

15. The next day Mrs. Murphy took 2 pieces of pizza for lunch.  
What fraction of the pizza did she take?

\_\_\_\_\_



Complete the missing factors.

16.  $70 * \underline{\hspace{2cm}} = 2,100$

17.  $\underline{\hspace{2cm}} * 4 = 360$

18.  $\underline{\hspace{2cm}} * 80 = 6,400$

19.  $12 * \underline{\hspace{2cm}} = 960$

20.  $40 * \underline{\hspace{2cm}} = 480$

21.  $\underline{\hspace{2cm}} * 50 = 3,500$

22.  $6 * \underline{\hspace{2cm}} = 360$

23.  $\underline{\hspace{2cm}} * 7 = 840$

Estimate the total cost.

24. 2 tape dispensers that cost \$4.65 each \_\_\_\_\_

25. 12 magazines that cost \$2.99 each \_\_\_\_\_

26. 9 scissors that cost 45¢ each \_\_\_\_\_

# Practice Set 74

Use with or after  
Lesson 11-6



Write your answers below or on another piece of paper.

Add or subtract.

1.  $6 - (-10) =$  \_\_\_\_\_

2.  $5 + (-1) =$  \_\_\_\_\_

3.  $-6 + 6 =$  \_\_\_\_\_

4.  $17 - (-2) =$  \_\_\_\_\_

5.  $-11 - (-15) =$  \_\_\_\_\_

6.  $16 - (-7) =$  \_\_\_\_\_

7.  $-19 + (-6) =$  \_\_\_\_\_

8.  $-21 - 9 =$  \_\_\_\_\_

Write the numbers from least to greatest.

9. 2.3, -7,  $\frac{4}{9}$ , -1.5, 8.3, -0.2

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

10. -11,  $3\frac{2}{5}$ , 1.85, -5.5, 4,  $-\frac{8}{10}$

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

11.  $\frac{17}{10}$ , -4, 9.9, 9.09, -3.7, 1.07

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Solve.

12.  $540 \div 6 =$  \_\_\_\_\_

13.  $250 * 80 =$  \_\_\_\_\_

14.  $640 = 8 *$  \_\_\_\_\_

15.  $20 * 300 =$  \_\_\_\_\_

16.  $60 *$  \_\_\_\_\_  $= 2,400$

17. \_\_\_\_\_  $\div 50 = 6$

18.  $5,600 \div 700 =$  \_\_\_\_\_

19.  $360 *$  \_\_\_\_\_  $= 7,200$

20. \_\_\_\_\_  $\div 5 = 35$

21.  $9 * 200 =$  \_\_\_\_\_

22.  $540 \div$  \_\_\_\_\_  $= 90$

23.  $110 * 120 =$  \_\_\_\_\_



**Practice Set 74** *continued*Use with or after  
Lesson 11-6

Write your answers below or on another piece of paper.

Rename the following numbers as percents.

24.  $\frac{1}{4} = \underline{\hspace{2cm}}\%$     25.  $0.75 = \underline{\hspace{2cm}}\%$     26.  $1.00 = \underline{\hspace{2cm}}\%$     27.  $\frac{57}{100} = \underline{\hspace{2cm}}\%$   
28.  $\frac{3}{20} = \underline{\hspace{2cm}}\%$     29.  $\frac{10}{25} = \underline{\hspace{2cm}}\%$     30.  $0.4 = \underline{\hspace{2cm}}\%$     31.  $\frac{37.5}{100} = \underline{\hspace{2cm}}\%$   
32.  $\frac{4}{5} = \underline{\hspace{2cm}}\%$     33.  $1.125 = \underline{\hspace{2cm}}\%$     34.  $\frac{765}{1,000} = \underline{\hspace{2cm}}\%$     35.  $\frac{6}{15} = \underline{\hspace{2cm}}\%$

1 km = 1000 m; 1 m = 100 cm  
1 cm = 10 mm

Complete.

36. 2 km = \_\_\_\_\_ cm                      37. 25,000 mm = \_\_\_\_\_ m  
38. 1,800 m = \_\_\_\_\_ km                      39. 30 km = \_\_\_\_\_ m  
40. 3.3 cm = \_\_\_\_\_ mm                      41. 670 cm = \_\_\_\_\_ mm

Who Am I?

42. Clue 1: I am a whole number less than 5.  
Clue 2: If you multiply me by 3, the result is more than 10.  
I am \_\_\_\_\_.
43. Clue 1: I am a negative number greater than  $-8$ .  
Clue 2: If you add me to 7, the sum is 2.  
I am \_\_\_\_\_.
44. Clue 1: I am a fraction between  $\frac{1}{2}$  and 1.  
Clue 2: My denominator is 5.  
Clue 3: If you add me to  $\frac{1}{4}$ , the sum is greater than 1.  
I am \_\_\_\_\_.

# Practice Set 75

Use with or after  
Lesson 11-7



Write your answers below or on another piece of paper.

Complete.

1. 4 cups = \_\_\_\_\_ pints

2. 3 quarts = \_\_\_\_\_ cups

3. \_\_\_\_\_ gallons = 8 quarts

4. \_\_\_\_\_ pints = 10 cups

5.  $1\frac{1}{2}$  quarts = \_\_\_\_\_ cups

6.  $3\frac{1}{2}$  gallons = \_\_\_\_\_ quarts

7. What time does the clock show? Write your answer to the nearest minute.

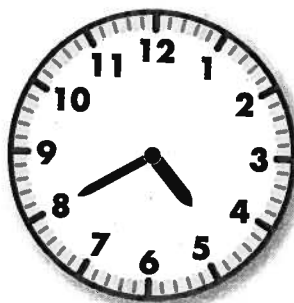
\_\_\_\_\_

8. What time will it be in 35 minutes?

\_\_\_\_\_

9. What time will it be in 88 minutes?

\_\_\_\_\_



Find the percent of the following.

10. 70% of 10 \_\_\_\_\_

11. 25% of 80 \_\_\_\_\_

12. 75% of 12 \_\_\_\_\_

13. 50% of 64 \_\_\_\_\_

14. 24% of 25 \_\_\_\_\_

15. 150% of 22 \_\_\_\_\_

16. 80% of 50 \_\_\_\_\_

17. 90% of 100 \_\_\_\_\_

18. 33% of 1,000 \_\_\_\_\_

19. 12% of 200 \_\_\_\_\_

20. 6% of 50 \_\_\_\_\_

21. 15% of 20 \_\_\_\_\_

Solve these problems mentally.

22.  $934,167 - 1,000 =$  \_\_\_\_\_

23.  $934,167 - 100 =$  \_\_\_\_\_

24.  $934,167 - 10,000 =$  \_\_\_\_\_

25.  $934,167 - 10 =$  \_\_\_\_\_