

# Remembering

Multiply.

$$\begin{array}{r} 1. \quad 89 \\ \times 7 \\ \hline \end{array}$$

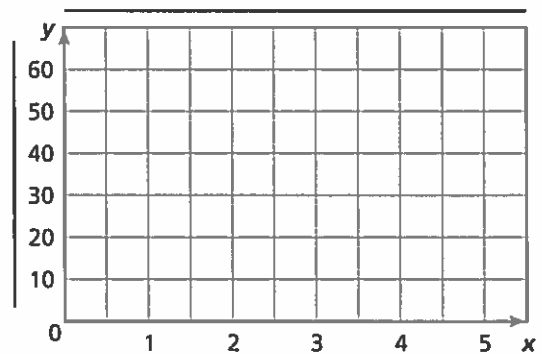
$$\begin{array}{r} 2. \quad 221 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 6,077 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 77 \\ \times 65 \\ \hline \end{array}$$

Suppose a plant grows at the rate shown in the table.  
Use the table to complete Exercises 5 and 6.

Growth of a Plant	
Age (weeks)	Height (cm)
0	0
1	10
2	20
3	30
4	40



5. Write five ordered pairs that the data represent.

\_\_\_\_\_

6. Graph the ordered pairs. What does each axis of the graph represent? Title the graph and label each axis.

\_\_\_\_\_

\_\_\_\_\_

7. **Stretch Your Thinking** Find the sum of 130 cm and 50 mm in meters. Show your work.

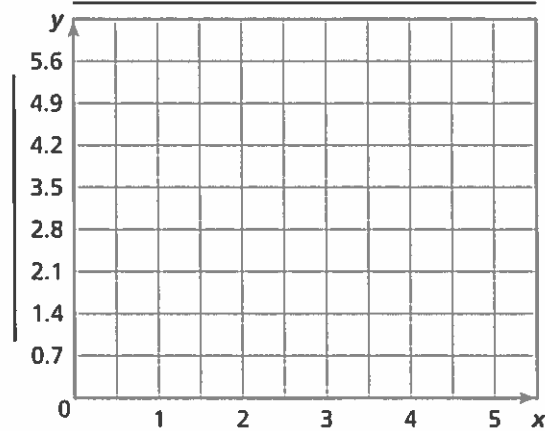
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# Remembering

Suppose the cost of sugar changes at the rate shown in the table. Use the table to complete Exercises 1 and 2.

Cost of Sugar	
Weight (lb)	Cost (\$)
0	\$0
1	\$1.40
2	\$2.80
3	\$4.20
4	\$5.60



1. Write five ordered pairs that the data represent.

\_\_\_\_\_

2. Graph the ordered pairs. What does each axis of the graph represent? Title the graph and label each axis.

\_\_\_\_\_

\_\_\_\_\_

Complete the equation.

3.  $14 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$

4.  $0.35 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

5.  $790 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

6.  $0.88 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

7.  $782 \text{ km} = 782,000 \underline{\hspace{2cm}}$

8.  $58 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

9. **Stretch Your Thinking** Shannon pours four different liquid ingredients into a bowl. The sum of the liquid ingredients is 8.53 liters. Two of her measurements are in liters and two of her measurements are in milliliters. Give an example of possible measurements for Shannon's four liquids.

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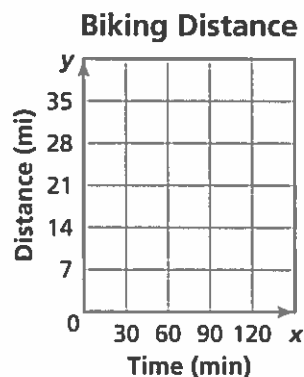
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## Remembering

Greyson rides his bike at a constant rate. In 30 minutes, Greyson can bike 7 miles.

1. Complete the table to show the distance Greyson can ride in 0, 30, 60, and 90 minutes.

<b>Time (min)</b>	0	30	60	90
<b>Distance (mi)</b>		7		



2. Write the ordered  $(x, y)$  pairs the data represent. Then graph the points and extend the line.

(\_\_\_\_, \_\_\_\_) (\_\_\_\_, \_\_\_\_) (\_\_\_\_, \_\_\_\_) (\_\_\_\_, \_\_\_\_)

3. How far would you expect Greyson to ride in 105 minutes? Explain your answer.

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Complete the equation.

4.  $435 \text{ L} = \underline{\hspace{2cm}} \text{ kL}$                       5.  $6.71 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$
6.  $86,300 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$                       7.  $109 \text{ L} = \underline{\hspace{2cm}} \text{ kL}$
8.  $5,669 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$                       9.  $30.8 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$
10.  $9.12 \text{ kL} = 9,120 \underline{\hspace{2cm}}$                       11.  $9,235 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

12. **Stretch Your Thinking** Write three measurements using grams and three measurements using milligrams that total 15.4 grams.

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## Remembering

Write an expression for the words.

- Multiply 12 by the sum of 8 and  $t$ . \_\_\_\_\_
- Divide 10 by 4 and then subtract 6.2. \_\_\_\_\_
- Add the product of 7 and 10 to 80. \_\_\_\_\_
- Subtract  $\frac{1}{8}$  from  $\frac{5}{6}$ . \_\_\_\_\_

Simplify. Follow the Order of Operations.

- $12 - 7 + 9 - 2$
- $15 \div 0.3 + 6 \div 0.02$
- $(2\frac{3}{8} - \frac{1}{4}) \times \frac{1}{5}$
- $\frac{1}{6} \cdot \frac{1}{6} \div \frac{1}{6}$
- $(7.2 - 3.3) \cdot (0.5 + 0.5)$
- $36 \div (6.6 + 2.4) \cdot 4$

Complete.

- 5 mg = \_\_\_\_\_ g
- 13.45 kg = \_\_\_\_\_ g
- 66 g = 0.066 \_\_\_\_\_
- 0.021 g = 21 \_\_\_\_\_
- 5.003 kg = \_\_\_\_\_ mg
- 782 mg = 0.782 \_\_\_\_\_

17. **Stretch Your Thinking** Draw a figure composed of three different rectangles that has a perimeter of 140 yards. Use measurements in yards and feet to label the sides of your figure.
- \_\_\_\_\_

## Remembering

Divide.

1.  $5 \overline{)2,245}$

2.  $6 \overline{)3,277}$

3.  $9 \overline{)4,558}$

4.  $56 \overline{)1,344}$

5.  $47 \overline{)3,619}$

6.  $23 \overline{)2,047}$

7.  $91 \overline{)4,315}$

8.  $62 \overline{)4,030}$

9.  $18 \overline{)1,241}$

Complete.

10. 24 in. = \_\_\_\_\_ ft

11. 27 ft = \_\_\_\_\_ yd

12. 3 ft = \_\_\_\_\_ in.

13. \_\_\_\_\_ in. = 5 yd

14. \_\_\_\_\_ yd = 18 ft

15. \_\_\_\_\_ ft = 84 in.

16. 24 yd = \_\_\_\_\_ ft

17. 8 ft = \_\_\_\_\_ in.

18. \_\_\_\_\_ ft = 84 yd

19. **Stretch Your Thinking** What fraction of a gallon is 3 pints?

\_\_\_\_\_

## Remembering

Complete the pattern.

1.  $5 \times 10^1 = 5 \times 10 = \underline{\hspace{2cm}}$

2.  $45 \times 10^1 = \underline{\hspace{2cm}} = 450$

$5 \times 10^2 = 5 \times 100 = \underline{\hspace{2cm}}$

$45 \times 10^2 = \underline{\hspace{2cm}} = 4,500$

$5 \times 10^3 = 5 \times 1,000 = \underline{\hspace{2cm}}$

$45 \times 10^3 = \underline{\hspace{2cm}} = 45,000$

$5 \times 10^4 = 5 \times 10,000 = \underline{\hspace{2cm}}$

$45 \times 10^4 = \underline{\hspace{2cm}} = 450,000$

3.  $17 \times 10^1 = 17 \times 10 = \underline{\hspace{2cm}}$

4.  $342 \times 10^1 = \underline{\hspace{2cm}} = 3,420$

$17 \times 10^2 = 17 \times 100 = \underline{\hspace{2cm}}$

$342 \times 10^2 = 342 \times 100 = \underline{\hspace{2cm}}$

$17 \times 10^3 = 17 \times 1,000 = \underline{\hspace{2cm}}$

$342 \times 10^3 = \underline{\hspace{2cm}} = 342,000$

$17 \times 10^4 = 17 \times 10,000 = \underline{\hspace{2cm}}$

$342 \times 10^4 = 342 \times 10,000 = \underline{\hspace{2cm}}$

Solve.

5.  $8 \text{ qt} = \underline{\hspace{1cm}} \text{ pt}$

6.  $2 \text{ qt} = \underline{\hspace{1cm}} \text{ c}$

7.  $\underline{\hspace{1cm}} \text{ c} = 2 \text{ pt}$

8.  $80 \text{ cups} = \underline{\hspace{1cm}} \text{ gal}$

9.  $9\frac{1}{2} \text{ gal} = \underline{\hspace{1cm}} \text{ qt}$

10.  $80 \text{ cups} = \underline{\hspace{1cm}} \text{ pt}$

11.  $\underline{\hspace{1cm}} \text{ qt} = 24 \text{ cups}$

12.  $\underline{\hspace{1cm}} \text{ pt} = 32 \text{ qt}$

13.  $\underline{\hspace{1cm}} \text{ qt} = 25 \text{ pt}$

14. **Stretch Your Thinking** Divide 15 pounds of rice into four unequal measures using ounces.

\_\_\_\_\_

## Remembering

Write an equation to solve each problem.

*Show your work.*

1. At the school bookstore, Harrison purchases 3 notebooks for \$2.50 each, 10 pens for \$0.35 each, and 5 mechanical pencils for \$0.89 each. By what amount ( $a$ ) is the cost of the mechanical pencils greater than the cost of the pens?

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2. This week an employee is scheduled to work 6 hours each day Monday through Friday, and  $3\frac{1}{2}$  hours on Saturday morning. If the employee's goal is to work 40 hours, how many additional hours ( $h$ ) must he work?

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Complete.

3.  $6 \text{ T} = \underline{\hspace{2cm}} \text{ lb}$

4.  $3 \text{ lb} = \underline{\hspace{2cm}} \text{ oz}$

5.  $\underline{\hspace{2cm}} \text{ oz} = 5 \text{ lb}$

6.  $5,000 \text{ lb} = \underline{\hspace{2cm}} \text{ T}$

7.  $8 \text{ lb} = \underline{\hspace{2cm}} \text{ oz}$

8.  $20,000 \text{ lb} = \underline{\hspace{2cm}} \text{ T}$

Write a mixed number in simplest form to represent the number of pounds equivalent to each number of ounces.

9.  $66 \text{ oz} = \underline{\hspace{2cm}} \text{ lb}$

10.  $52 \text{ oz} = \underline{\hspace{2cm}} \text{ lb}$

11.  $24 \text{ oz} = \underline{\hspace{2cm}} \text{ lb}$

12.  $76 \text{ oz} = \underline{\hspace{2cm}} \text{ lb}$

13.  $82 \text{ oz} = \underline{\hspace{2cm}} \text{ lb}$

14.  $46 \text{ oz} = \underline{\hspace{2cm}} \text{ lb}$

15. **Stretch Your Thinking** List three different real world situations in which a line plot would be the best choice to organize and display the data.

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# Remembering

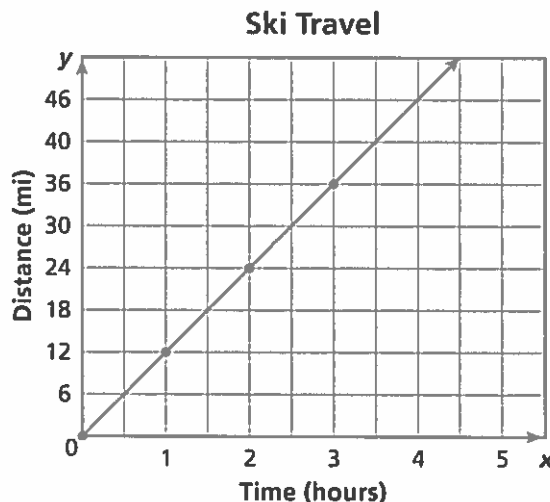
The graph shown represents a skier traveling at a constant speed.

1. The points on the graph represent four ordered  $(x, y)$  pairs. Write the ordered pairs.

(\_\_\_\_, \_\_\_\_) (\_\_\_\_, \_\_\_\_) (\_\_\_\_, \_\_\_\_) (\_\_\_\_, \_\_\_\_)

2. Complete the table to show the relationship that time and distance share.

<b>Time (hours)</b>	0			
<b>Distance (miles)</b>	0			



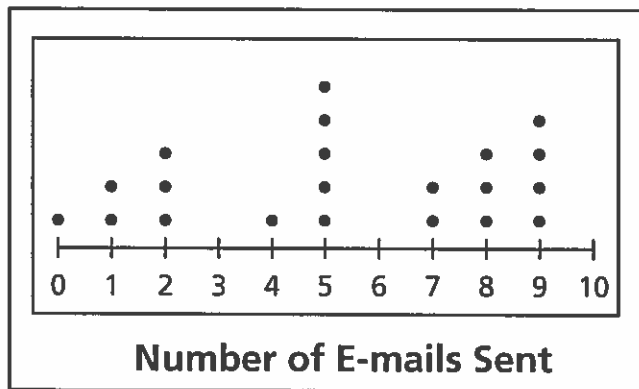
3. At what constant rate of speed was the skier traveling? Explain how you know.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. Dayna surveyed her classmates to find out how many e-mails they send per day. Then, she drew this line plot with the data. Use the line plot to answer questions about the e-mails sent.



- a. How many classmates were surveyed?  
\_\_\_\_\_
- b. How many classmates sent fewer than 5 e-mails?  
\_\_\_\_\_
- c. How many classmates sent at least 7 e-mails?  
\_\_\_\_\_

5. **Stretch Your Thinking** Find the fractional side lengths of a rectangle that has a perimeter of  $64\frac{5}{6}$  inches. Then find the area of the rectangle.

\_\_\_\_\_



# Remembering

Write the computation in words.

1.  $4.5 \div 0.5 + 0.1$  \_\_\_\_\_

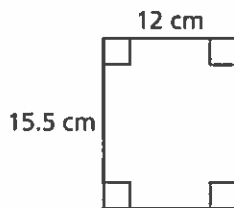
2.  $6 \div \frac{1}{6}$  \_\_\_\_\_

3.  $4 \cdot (5 - 2)$  \_\_\_\_\_

4.  $11 - c$  \_\_\_\_\_

Find the perimeter and the area of the rectangle.

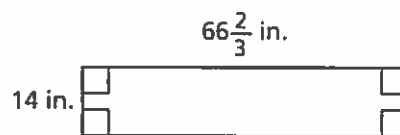
5.



$P =$  \_\_\_\_\_

$A =$  \_\_\_\_\_

6.



$P =$  \_\_\_\_\_

$A =$  \_\_\_\_\_

7. **Stretch Your Thinking** Draw a sketch to show two figures that have the same number of unit cubes that look different from each other.

# Remembering

Solve. Follow the Order of Operations.

1.  $21 - 6 + 3 - 6$

2.  $(7.9 - 5.1) \cdot (0.2 + 0.8)$

3.  $6 \cdot 10 \div 5$

4.  $\frac{1}{5} \cdot \frac{1}{5} \div \frac{1}{5}$

5.  $(2\frac{3}{8} - \frac{1}{4}) \times \frac{1}{8}$

6.  $\frac{5}{8} - 3 \cdot \frac{1}{16}$

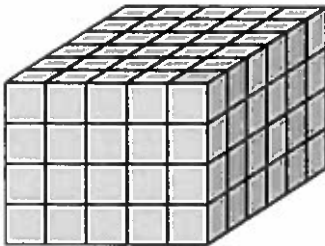
7.  $16 \div 0.2 + 15 \div 0.03$

8.  $64 \div (6.6 + 1.4) \cdot 2$

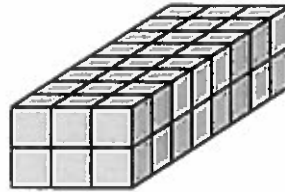
9.  $0.7 - 0.9 \div 3 + 0.6$

Find the number of unit cubes and the volume.

10.



11.



Number of unit cubes: \_\_\_\_\_

Number of unit cubes: \_\_\_\_\_

Volume: \_\_\_\_\_

Volume: \_\_\_\_\_

12. **Stretch Your Thinking** I'm a figure with six layers. Each of my layers is the same. My bottom layer has a perimeter of 28 units, and my volume is between 200 and 300 cubic units. What is my volume?

\_\_\_\_\_

# Remembering

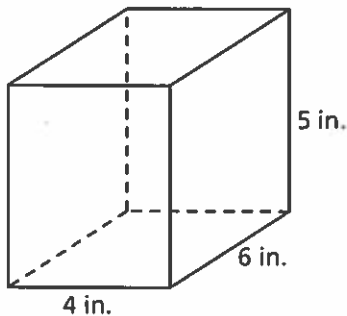
Add or subtract.

1.  $0.45 + 0.77 =$  \_\_\_\_\_      2.  $0.4 + 0.08 =$  \_\_\_\_\_      3.  $6.9 - 3.44 =$  \_\_\_\_\_

4.  $7 - 2.2 =$  \_\_\_\_\_      5.  $0.66 + 0.96 =$  \_\_\_\_\_      6.  $5.7 - 0.9 =$  \_\_\_\_\_

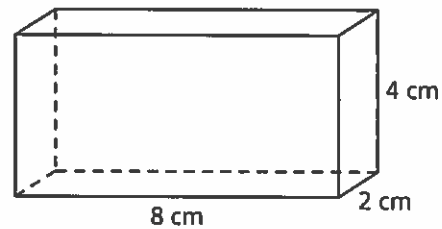
Find the volume.

7.



Volume: \_\_\_\_\_

8.



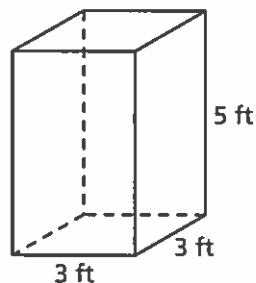
Volume: \_\_\_\_\_

9. **Stretch Your Thinking** Give the dimensions of a crate that could be used to ship 6 of the boxes below. Allow for some air space between the boxes so they can fit in the crate.

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# Remembering

Solve.

$$\begin{array}{r} 1. \quad 3.8 \\ \times 5.4 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 0.30 \\ \times 6.7 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 3.3 \\ \times 0.78 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 0.04 \\ \times 7.3 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 0.6 \\ \times 5.14 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 8.3 \\ \times 2.8 \\ \hline \end{array}$$

Find the unknown dimension or volume of each rectangular prism.

$$7. V = \underline{\hspace{2cm}}$$

$$l = 7 \text{ cm}$$

$$w = 4 \text{ cm}$$

$$h = 9 \text{ cm}$$

$$8. V = 200 \text{ cu yd}$$

$$l = \underline{\hspace{2cm}}$$

$$w = 5 \text{ yd}$$

$$h = 5 \text{ yd}$$

$$9. V = 160 \text{ cu in.}$$

$$l = 10 \text{ in.}$$

$$w = \underline{\hspace{2cm}}$$

$$h = 4 \text{ in.}$$

$$10. V = \underline{\hspace{2cm}}$$

$$l = 10 \text{ cm}$$

$$w = 8 \text{ cm}$$

$$h = 6 \text{ cm}$$

$$11. V = 297 \text{ cu m}$$

$$l = \underline{\hspace{2cm}}$$

$$w = 9 \text{ m}$$

$$h = 3 \text{ m}$$

$$12. V = 126 \text{ cu in.}$$

$$l = 9 \text{ in.}$$

$$w = \underline{\hspace{2cm}}$$

$$h = 7 \text{ in.}$$

13. **Stretch Your Thinking** Give one real world example for measuring each of the following: perimeter, area, volume.

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## Remembering

Divide

1.  $0.7 \overline{)49}$

2.  $0.05 \overline{)50}$

3.  $0.8 \overline{)0.64}$

4.  $0.06 \overline{)36}$

5.  $0.3 \overline{)939.6}$

6.  $0.06 \overline{)27.3}$

Solve.

7. A fish tank is 20 feet long, 12 feet wide, and 10 feet deep. What is the volume of the fish tank?

\_\_\_\_\_

8. **Stretch Your Thinking** Draw a composite solid in the space below using two different rectangular prisms. Label the length and width using fractions of units. The figures do not need to be to scale. Find the volume of the figure.

\_\_\_\_\_