

Review Exercises

Note to students and teachers: This section will include daily review from all topics covered in this book. Here are some simple problems with which to get started.

$$\begin{array}{r} 1. \quad 345 \\ \quad 16 \\ + \quad 724 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 715 \\ \quad - 79 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 247 \\ \quad \times 6 \\ \hline \end{array}$$

$$4. \quad 96 + 72 + 16 =$$

$$5. \quad 800 - 216 =$$

$$6. \quad 8 \times 394 =$$

Helpful Hints

Geometric Term:

Example:

Symbol:

Point

• P

P

Line

$\overleftrightarrow{A B}$

Plane

\square
plane ABC

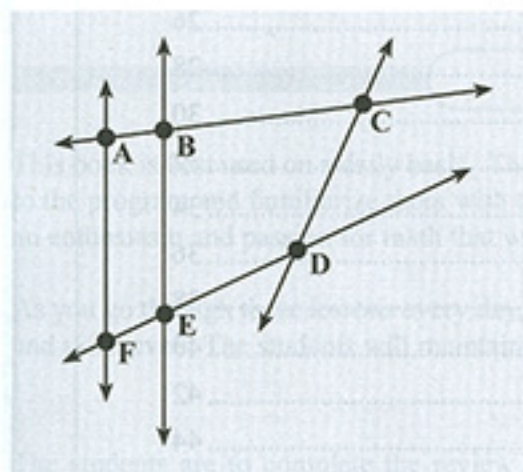
Line Segment

$\overline{A B}$

Ray

$\overrightarrow{A B}$

Use the figure to answer the following:



S1. Name 4 points

S2. Name 5 line segments

1. Name 5 lines

2. Name 5 rays

3. Name 3 points on \overleftrightarrow{FD}

4. Give another name for \overleftrightarrow{AB}

5. Give another name for \overleftrightarrow{ED}

6. Give another name for \overleftrightarrow{AC}

7. Name 2 line segments on \overleftrightarrow{FD}

8. Name 2 rays on \overleftrightarrow{FE}

9. Name 2 rays on \overleftrightarrow{AC}

10. What point is common to lines \overleftrightarrow{FD} and \overleftrightarrow{BE} ?

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

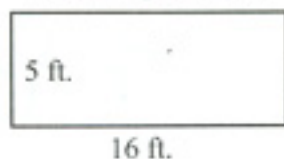
Score

Problem Solving

Ken earned 2,500 dollars in March and 3,752 dollars in April. What were his total earnings for the two months?

Review Exercises

1. Find the perimeter.



2. Find the perimeter.



3. Find the perimeter of a triangle with sides 17 ft., 20 ft., and 23 ft.

4. Find the perimeter of a regular octagon with sides of 12 ft.

5. What is the third angle of a triangle with angles of 75° and 65° ?

6. What angle is supplementary to 63° ?

Helpful Hints

- When solving problems related to perimeter follow these directions.
1. Read the problem carefully to fully understand what is asked.
 2. Draw a sketch.
 3. Solve the problem.

- S1. Jim wants to build a fence around his yard. It is in the shape of a rectangle with a length of 32 ft. and a width of 18 ft. how many feet of fencing material does he need to buy?

- S2. Find the perimeter of a regular decagon that has sides of 52 ft.

1. What is the perimeter of a square with sides of 96 ft.?

2. Jolie wants to put a wood frame around a painting that is in the shape of a rectangle. If the length is 36 inches and the width is 18 inches, how many inches of wood frame will be needed?

3. A square has a perimeter of 156 ft. What is the length of each side?

4. A banner is in the shape of an equilateral triangle. If each side is 57 inches, what is the perimeter of the banner?

5. The perimeter of a regular hexagon is 138 inches. What is the length of each side?

6. Bill's yard is in the shape of a square with sides of 15 ft. If he wants to build a fence around the yard and materials are 12 dollars per foot, how much will the fence cost?

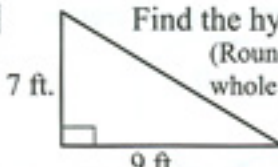
7. An equilateral triangle has a perimeter of 291 inches. What is the length of each side?


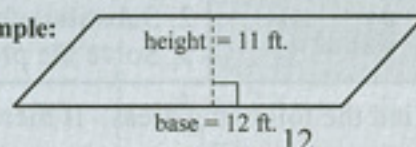
1.
2.
3.
4.
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7.
Score

Problem Solving

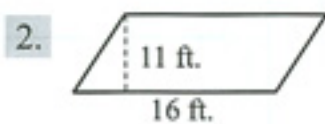
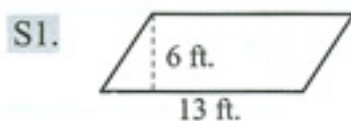
Three pounds of steak costs \$14.97. What is the cost per pound?

Review Exercises

1. Find the perimeter of a square with sides of 17 ft.
2. Find the area of a square with sides of 17 ft.
3. Find the area of a rectangle with length 16 ft. and width 10 ft.
4. Find the perimeter of a rectangle with length 16 ft. and width 10 ft.
5.  Find the hypotenuse. (Round to the nearest whole number.)
6. Two of the angles of a triangle are 72° and 58° , what is the third angle?

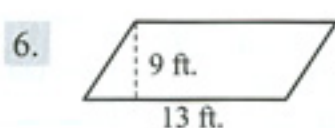
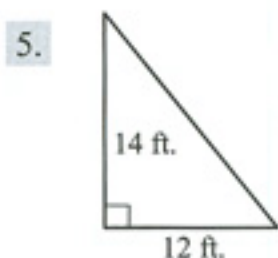
Helpful Hints	Area of a triangle = $\frac{\text{base} \times \text{height}}{2} = \frac{b \times h}{2}$	Area of a parallelogram = $\text{base} \times \text{height} = b \times h$
	Examples: $A = \frac{b \times h}{2}$  $A = \frac{7 \times 8}{2} = \frac{56}{2} = 28$ (28 sq. ft.)	Example:  $A = b \times h$ $A = 12 \times 11 = 132$ sq. ft.

Find the area of each of the following. Start with the formula. Substitute the values. Finally, solve the problem. If there is no diagram, make a sketch.



3. A triangle with base 5 ft. and height 7 ft.

4. A parallelogram with base 13 ft. and height 7 ft.



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

Score _____

Problem Solving	John has a monthly income of \$5,500. What is his annual income?
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