

Practice C

For use with pages 3–8

Evaluate the expression for the given value(s) of the variable(s).

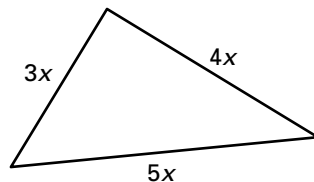
- $17x$ when $x = 4$
- $y - 4$ when $y = 41$
- $3.6x$ when $x = 2.5$
- $w + 9$ when $w = 3.6$
- $x(2.5)$ when $x = 2.9$
- $4.38 \div a$ when $a = 6$
- $\frac{1.2}{g}$ when $g = 8$
- $\frac{3.8}{h}$ when $h = 0.2$
- $\frac{5}{8} \cdot t$ when $t = \frac{3}{10}$
- $\frac{5}{6} + x$ when $x = 3\frac{2}{3}$
- $\frac{m}{10} - n$ when $m = 9$ and $n = \frac{1}{2}$
- $\frac{24x}{y}$ when $x = 1.5$ and $y = 0.6$

Calculate the simple interest earned.

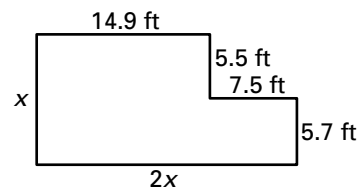
- deposit \$525
4% interest
1 year
- deposit \$250
6.5% interest
0.5 year
- deposit \$2800
 $6\frac{1}{4}\%$ interest
1.5 years

Find the average speed for the given distance and time. Include the units of measure in your answer.

- An airplane travels 775 miles in 120 minutes.
- A friend jogs $2\frac{2}{5}$ miles in $\frac{1}{2}$ hour.
- A car travels 210 kilometers in $2\frac{1}{5}$ hours.

In Exercises 19 and 20, use the diagram below.

- Write an expression for the perimeter of the triangle.
- Find the perimeter, in feet, if $x = 6.5$ inches.

In Exercises 21 and 22, use the diagram below.

- Write an expression for the perimeter of the figure shown.
 - Find the perimeter, in yards, if $x = 11.2$ feet.
- Burning Calories** A 140-pound student playing tennis burns 5.3 calories per minute. If the student plays for 30 minutes, how many calories does the student burn?
 - Burning Calories** A 140-pound student burned 310 calories after roller blading for 50 minutes. How many calories did the student burn per minute?
 - Burning Calories** Use Exercises 23 and 24 to determine whether tennis or roller blading burns more calories per minute.