

Practice A

For use with pages 3–8

Name the operation indicated by the expression.

1. $7 - m$

2. $12 \div x$

3. $t(12)$

4. $\frac{m}{3}$

Evaluate the expression for the given value of the variable.

5. $x + 5$ when $x = 4$

6. $y - 4$ when $y = 19$

7. $3x$ when $x = 2.5$

8. $w + 8$ when $w = 3.6$

9. $7 - x$ when $x = 2.9$

10. $24 \div a$ when $a = 6$

11. $\frac{g}{8}$ when $g = 72$

12. $\frac{m}{3}$ when $m = 2.7$

13. $\frac{5}{8} \cdot t$ when $t = 16$

14. $h(2.5)$ when $h = 100$

15. $\frac{2}{3} + x$ when $x = \frac{2}{3}$

16. $\frac{24}{y}$ when $y = 6$

Calculate the simple interest earned.

$$\boxed{\text{Simple Interest}} = \boxed{\text{Amount of deposit}} \cdot \boxed{\text{Interest rate (decimal)}} \cdot \boxed{\text{Time (years)}}$$

17. deposit \$500

4% interest

1 year

18. deposit \$250

5% interest

0.5 year

19. deposit \$2000

6.5% interest

1.5 years

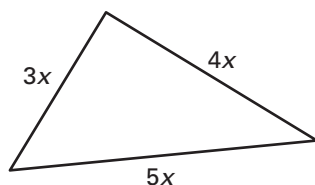
Find the average speed for the given distance and time. Include the units of measure in your answer.

20. An airplane travels 800 miles in 120 minutes.

21. A friend jogs 2 miles in $\frac{1}{2}$ hour.

22. A car travels 240 kilometers in $2\frac{1}{2}$ hours.

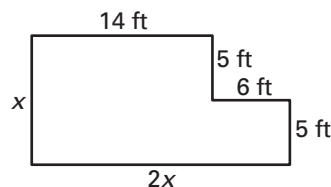
In Exercises 23 and 24, use the diagram below.



23. Write an expression for the perimeter of the triangle.

24. Find the perimeter, in feet, if $x = 4$ inches.

In Exercises 25 and 26, use the diagram below.



25. Write an expression for the perimeter of the figure shown.

26. Find the perimeter, in yards, if $x = 10$ feet.