

**7.1****Practice**

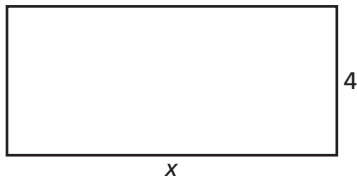
For use after Lesson 7.1

Write the word sentence as an equation.

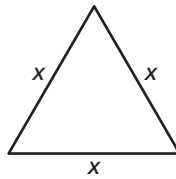
1. 27 is 3 times a number  $y$ .
2. The difference of a number  $x$  and 4 is 3.
3. 8 more than a number  $p$  is 17.
4. Half of a number  $q$  is 14.

Write an equation that can be used to find the value of  $x$ .

5. Perimeter of rectangle: 32 cm



6. Perimeter of triangle: 20 in.



7. You spend \$16 on 3 notebooks and  $x$  binders. Notebooks cost \$2 each and binders cost \$5 each. Write an equation you can use to find the number of binders you bought.

**7.2****Practice**

For use after Lesson 7.2

Tell whether the given value is a solution of the equation.

1.  $34 + x = 46$ ;  $x = 12$

2.  $y - 9 = 14$ ;  $y = 22$

3.  $6d = 54$ ;  $d = 9$

4.  $\frac{n}{3} = 13$ ;  $n = 39$

Solve the equation. Check your solution.

5.  $7 + k = 11$

6.  $p - 24 = 13$

7.  $b - 16 = 7$

8.  $\frac{2}{5} + m = \frac{5}{6}$

9. In the heavyweight class of professional wrestling, the junior weight limit is 190 pounds. This is 15 pounds heavier than the light heavyweight limit. Write and solve an equation to find the weight limit of the light heavyweight class.

**7.3****Practice**

For use after Lesson 7.3

Solve the equation. Check your solution.

1.  $7k = 77$

2.  $\frac{p}{5} = 10$

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

4.  $4a = 36$

5.  $5 \cdot x = 12$

6.  $4.2 = \frac{c}{8}$

7. You earn \$5 for every friendship bracelet you sell. Write and solve an equation to find the number of bracelets you have to sell to earn \$85.

8. You practice the piano for 30 minutes each day. Write and solve an equation to find the total time  $t$  you spend practicing the piano in a week.