

## LESSON

## 8

## Introduction to Algebra

## Practice C: Division Equations

Solve each equation. Check your answers.

1.  $\frac{s}{18} = 16$

2.  $\frac{v}{24} = 3^2$

3.  $\frac{q}{9} = 2 \cdot 7$

4.  $\frac{m}{2^2} = 35$

5.  $7 = \frac{x}{25}$

6.  $\frac{n}{3^2} = 3 \cdot 4$

7.  $\frac{t}{30} = 14$

8.  $\frac{p}{48} = 5$

9.  $\frac{v}{7} = 3^2$

Solve each equation. Check your answers.

10.  $\frac{m}{27} = 5$

11.  $\frac{r}{9} = 41$

12.  $\frac{x}{(2^3)} = 7$

13.  $\frac{p}{(16 \cdot 2)} = 6$

14.  $\frac{d}{59} = 2$

15.  $9^2 = \frac{n}{3}$

16.  $\frac{q}{35} = 11$

17.  $\frac{t}{8} = \frac{117}{9}$

18.  $4^3 = \frac{w}{2^3}$

19. If  $\frac{x}{y} = 2$ , and  $x + y = 6$ , what are the values of  $x$  and  $y$ ?

20. If  $\frac{(3y)}{x} = 4$ , and  $x^2 = 36$ , what are the values for  $x$  and  $y$ ?