

3-3**Skills Practice*****Solving Equations by Using Multiplication and Division***

Solve each equation. Then check your solution.

1. $12z = 108$

2. $-7t = 49$

3. $18e = -216$

4. $-22 = 11v$

5. $-6d = -42$

6. $96 = -24a$

7. $\frac{c}{4} = 16$

8. $\frac{a}{16} = 9$

9. $-84 = \frac{d}{3}$

10. $-\frac{d}{7} = -13$

11. $\frac{t}{4} = -13$

12. $31 = -\frac{1}{6}n$

13. $-6 = \frac{2}{3}z$

14. $\frac{2}{7}q = -4$

15. $\frac{5}{9}p = -10$

16. $\frac{a}{10} = \frac{2}{5}$

17. $-0.4b = 5.2$

18. $1.6m = -4$

Write an equation for each problem. Then solve the equation.

19. The opposite of a number is -9 . What is the number?

20. Fourteen times a number is -42 . Find the number.

21. Eight times a number equals 128. What is the number?

22. Negative twelve times a number equals -132 . Find the number.

23. Negative eighteen times a number is -54 . What is the number?

24. One sixth of a number is -17 . Find the number.

25. Negative three fifths of a number is -15 . What is the number?