

6-5**Practice: Skills****Algebra: Solving Equations**

Find the multiplicative inverse of each number.

1. $\frac{3}{7}$

2. $-\frac{4}{11}$

3. $\frac{7}{2}$

4. $\frac{9}{5}$

5. -5

6. $6\frac{1}{3}$

7. $4\frac{1}{9}$

8. $17\frac{1}{2}$

9. $-15\frac{2}{3}$

Solve each equation. Check your solution.

10. $\frac{x}{10} = 3$

11. $7 = \frac{m}{4}$

12. $\frac{a}{5} = -11$

13. $-8 = \frac{t}{5}$

14. $\frac{3}{4}c = 12$

15. $-7 = -\frac{w}{6}$

16. $\frac{3}{5}y = 6$

17. $15 = \frac{3}{7}b$

18. $\frac{6}{7}c = 18$

19. $\frac{7}{3}x = \frac{2}{3}$

20. $\frac{11}{12} = \frac{3}{4}h$

21. $\frac{9}{14}y = \frac{3}{7}$

22. $\frac{m}{2.6} = -5$

23. $0.6 = \frac{n}{5}$

24. $\frac{r}{2.6} = -1.3$