

Lesson 1 Skills Practice

Solve Equations with Rational Coefficients

Solve each equation. Check your work.

1. $\frac{1}{8}x = 5$ **40**

2. $\frac{2}{9}w = 24$ **108**

3. $\frac{3}{7}k = \frac{12}{35}$ **$\frac{4}{5}$**

4. $\frac{8}{9}p = \frac{12}{18}$ **$\frac{3}{4}$**

5. $0.3v = 1.35$ **4.5**

6. $2.5c = 15.75$ **6.3**

7. $-\frac{4}{11}y = -\frac{16}{33}$ **$-\frac{4}{3}$ or $-1\frac{1}{3}$**

8. $\frac{10}{13}n = -\frac{30}{39}$ **-1**

9. $-0.54 = 0.36m$ **-1.5**

10. $-2.3f = 9.2$ **-4**

11. $-8h = -0.36$ **0.045**

12. $-\frac{1}{8}n = -\frac{2}{7}$ **$\frac{16}{7}$ or $2\frac{2}{7}$**

13. $-\frac{16}{19}y = -\frac{20}{38}$ **$\frac{5}{8}$**

14. $\frac{12}{20}n = -\frac{36}{44}$ **$-\frac{15}{11}$ or $-1\frac{4}{11}$**

15. $-7.56 = 1.26m$ **-6**

16. $-64.5g = -25.8$ **0.4**

17. $-3.2a = -55.68$ **17.4**

18. $-\frac{15}{28}s = -\frac{9}{10}$ **$\frac{42}{25}$ or $1\frac{17}{25}$**