

Solving Equations with Fractions: Cross-Multiplication

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

7. $\frac{14}{2x+1} = \frac{7}{3}$

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

8. $\frac{14}{2x-1} = \frac{7}{3}$

3. $\frac{2x}{7} = \frac{3}{14}$

9. $\frac{7}{2x-1} = \frac{7}{3}$

4. $\frac{2x}{14} = \frac{3}{14}$

10. $\frac{2x-1}{7} = \frac{7}{3}$

5. $\frac{2x}{14} = \frac{3}{7}$

11. $\frac{2x-1}{6} = \frac{7}{3}$

6. $\frac{14}{2x} = \frac{7}{3}$

12. $\frac{1-2x}{6} = \frac{7}{3}$

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Solving Equations with Fractions: Cross-Multiplication ANSWERS

1. $x = 10.5$ or $\frac{21}{2}$

7. $x = 2.5$ or $x = \frac{5}{2}$

2. $x = 5.25$ or $\frac{21}{4}$

8. $x = 3.5$ or $x = \frac{7}{2}$

3. $x = 0.75$ or $\frac{3}{4}$

9. $x = 2$

4. $x = 1.5$ or $\frac{3}{2}$

10. $x = 8.\dot{6}$ or $x = \frac{26}{3}$

5. $x = 3$

11. $x = 7.5$ or $x = \frac{15}{2}$

6. $x = 3$

12. $x = -6.5$ or $-\frac{13}{2}$

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