

Solving Fractional Equations
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Solve each fractional equation. Check all answers.

Answers

1. $\frac{a}{4} + \frac{a}{3} = 14$

1. $a = 24$

2. $\frac{3}{b} + \frac{2}{b} = 10$

2. $b = \frac{1}{2}$

3. $\frac{7}{3c} - \frac{1}{6} = 1$

3. $c = 2$

4. $\frac{1}{d-4} + \frac{d}{d-3} = \frac{1}{(d-4)(d-3)}$

4. $d = -1$

5. $9 - \frac{7}{p} = \frac{-4}{p}$

5. $p = \frac{1}{3}$

6. $\frac{6}{z+3} + 5 = \frac{1}{z+3}$

6. $z = -4$

7. $\frac{1}{m} - \frac{6}{m^2} = -1$

7. $m = 2, -3$

8. $\frac{b}{b-3} + \frac{2}{b+1} = \frac{8b}{(b+1)(b-3)}$

8. $b = 6$

9. $\frac{2}{z+4} + \frac{8}{z^2-16} = \frac{4}{z-4}$

9. $z = -8$

10. $\frac{2}{x+1} + \frac{2}{x^2-1} = \frac{x}{x-1}$

10. $x = 0$

Please visit the Learning Lab for further assistance.