



Basic algebra with fractions

Grade 5 Pre-Algebra Worksheet

Solve for the variable. Answers should be expressed as "x=_____".

1) $\frac{1}{3} + \frac{x}{3} = 2$

9) $5 - \frac{x}{4} = \frac{5}{4}$

2) $x + \frac{2}{7} = \frac{4}{7}$

10) $\frac{3}{2} + x = 4$

3) $x - \frac{1}{6} = \frac{11}{6}$

11) $x + \frac{2}{3} = 3$

4) $\frac{12}{7} - x = \frac{4}{7}$

12) $\frac{3}{8} + x = \frac{3}{4}$

5) $x + \frac{1}{9} = \frac{7}{9}$

13) $\frac{7}{12} - x = \frac{1}{2}$

6) $2 - \frac{x}{11} = \frac{13}{11}$

14) $x - \frac{1}{3} = \frac{4}{9}$

7) $x - \frac{4}{5} = \frac{11}{5}$

15) $x - \frac{1}{6} = \frac{2}{3}$

8) $\frac{11}{15} - x = \frac{8}{15}$

16) $\frac{5}{9} - x = \frac{1}{3}$



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Grade 5 Pre-Algebra Worksheet

Solve for the variable. Answers should be expressed as "x=_____".

1) $\frac{1}{3} + \frac{x}{3} = 2$

$x = 5$

9) $5 - \frac{x}{4} = \frac{5}{4}$

$x = 15$

2) $x + \frac{2}{7} = \frac{4}{7}$

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

10) $\frac{3}{2} + x = 4$

$x = \frac{5}{2}$

3) $x - \frac{1}{6} = \frac{11}{6}$

$x = 2$

11) $x + \frac{2}{3} = 3$

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

4) $\frac{12}{7} - x = \frac{4}{7}$

$x = \frac{8}{7}$

12) $\frac{3}{8} + x = \frac{3}{4}$

$x = \frac{3}{8}$

5) $x + \frac{1}{9} = \frac{7}{9}$

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

13) $\frac{7}{12} - x = \frac{1}{2}$

$x = \frac{1}{12}$

6) $2 - \frac{x}{11} = \frac{13}{11}$

$x = 9$

14) $x - \frac{1}{3} = \frac{4}{9}$

$x = \frac{7}{9}$

7) $x - \frac{4}{5} = \frac{11}{5}$

$x = 3$

15) $x - \frac{1}{6} = \frac{2}{3}$

$x = \frac{5}{6}$

8) $\frac{11}{15} - x = \frac{8}{15}$

$x = \frac{3}{15}$

16) $\frac{5}{9} - x = \frac{1}{3}$

$x = \frac{2}{9}$