

Basic algebra with fractions

Grade 5 Pre-Algebra Worksheet

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

1) $\frac{x}{4} = 5$

9) $\frac{20}{12} = \frac{x}{3}$

2) $\frac{24}{x} = 6$

10) $\frac{2}{5}x = 4$

3) $\frac{72}{x} = 8$

11) $3x = 5$

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

12) $16x = 8$

5) $\frac{5}{12} = \frac{10}{x}$

13) $\frac{3}{x} = \frac{5}{4}$

6) $\frac{4}{9} = \frac{24}{x}$

14) $2x = \frac{18}{3}$

7) $2 \cdot \frac{x}{3} = 4$

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

8. $3 \cdot \frac{x}{4} = 6$

16) $\frac{3}{5} \div \frac{x}{20} = 4$

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

1) $\frac{x}{4} = 5$

x = 20

9) $\frac{20}{12} = \frac{x}{3}$

x = 5

2) $\frac{24}{x} = 6$

x = 4

10) $\frac{2}{5}x = 4$

x = 10

3) $\frac{72}{x} = 8$

x = 9

11) $3x = 5$

x = $\frac{5}{3}$

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

x = 6

12) $16x = 8$

x = $\frac{1}{2}$

5) $\frac{5}{12} = \frac{10}{x}$

x = 24

13) $\frac{3}{x} = \frac{5}{4}$

x = $\frac{12}{5}$

6) $\frac{4}{9} = \frac{24}{x}$

x = 54

14) $2x = \frac{18}{3}$

x = 3

7) $2 \cdot \frac{x}{3} = 4$

x = 6

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

x = 9

8) $3 \cdot \frac{x}{4} = 6$

x = 8

16) $\frac{3}{5} \div \frac{x}{20} = 4$

x = 3