

Examples

Workout



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Question 1: Solve the following equations

- (a) $\frac{x}{2} = 6$ (b) $\frac{w}{3} = 1$ (c) $\frac{a}{4} = 10$ (d) $\frac{w}{8} = 7$
- (e) $\frac{x}{10} = 23$ (f) $\frac{c}{9} = 5$ (g) $\frac{t}{14} = 15$ (h) $\frac{y}{3} = 1.5$
- (i) $\frac{x}{4} = 1.6$ (j) $\frac{x}{2.5} = 8$ (k) $\frac{x}{4} = -3$ (l) $\frac{x}{6} = -12$

Question 2: Solve the following equations

- (a) $\frac{x}{4} + 1 = 9$ (b) $\frac{x}{2} - 5 = 9$ (c) $\frac{w}{5} + 2 = 3$ (d) $\frac{x}{8} - 7 = 2$
- (e) $\frac{m}{3} - 4 = 0$ (f) $\frac{x}{6} + 7 = 2$ (g) $\frac{k}{4} + 5 = -6$ (h) $\frac{x}{6} - 2 = -8$

Question 3: Solve the following equations

- (a) $\frac{x+1}{2} = 3$ (b) $\frac{w-4}{3} = 2$ (c) $\frac{x-2}{7} = 6$ (d) $\frac{w+9}{4} = 8$
- (e) $\frac{w-25}{3} = -7$ (f) $\frac{x+2}{4} = -1$ (g) $\frac{w+20}{8} = -2$ (h) $\frac{x-9}{4} = -2$

Question 4: Solve the following equations

- (a) $\frac{2a}{3} = 6$ (b) $\frac{2x}{5} = 4$ (c) $\frac{3x}{10} = 6$ (d) $\frac{7x}{2} = 28$
- (e) $\frac{3x}{4} = 12$ (f) $\frac{2x}{9} = -8$ (g) $\frac{3x}{2} = 2$ (h) $\frac{5x}{14} = 3$

Question 5: Solve the following equations

(a) $\frac{3x+5}{2} = 7$ (b) $\frac{5x-12}{3} = 11$ (c) $\frac{4x+2}{6} = 5$ (d) $\frac{10x+3}{4} = 4$

(e) $\frac{5x-8}{2} = 10$ (f) $\frac{8x+4}{5} = 12.8$ (g) $\frac{2x+13}{3} = 1$ (h) $\frac{3x-4}{7} = -4$

(i) $\frac{7x-12}{3} = -25$ (j) $\frac{29-2x}{3} = 5$ (k) $\frac{100-5x}{3} = 30$ (l) $\frac{24-3x}{12} = 5$

Question 6: Solve the equations below

(a) $\frac{2x+1}{3} = x-2$ (b) $\frac{5x-3}{2} = 2x+4$ (c) $\frac{x+17}{5} = x+1$

(d) $4x-9 = \frac{2x+3}{3}$ (e) $\frac{9-x}{2} = x+3$ (f) $\frac{15-2x}{3} = 2x-3$

Question 7: Solve the equations below

(a) $\frac{2x-1}{x+3} = 9$ (b) $\frac{x+11}{2x-5} = 2$ (c) $\frac{x+1}{x+4} = 3$

(d) $\frac{5x-24}{x-4} = 3$ (e) $\frac{x+7}{x-3} = -4$ (f) $\frac{3x+8}{9-x} = -2$

Question 8: Solve the equations below

(a) $\frac{x+3}{2} + \frac{x+1}{4} = 10$ (b) $\frac{x+3}{10} + \frac{x-2}{5} = 2$ (c) $\frac{2x-1}{9} + \frac{x+2}{3} = 0$

(d) $\frac{x-1}{4} - \frac{x+3}{2} = -4$ (e) $\frac{4x+9}{15} - \frac{x-3}{5} = 1$ (f) $\frac{x+4}{3} + \frac{x+1}{2} = 1$

(g) $\frac{3x+5}{4} - \frac{x-7}{5} = 1$ (h) $\frac{2x-5}{7} - \frac{2x-1}{2} = 3$ (i) $\frac{x}{2} + \frac{4x+1}{10} = -8$

(j) $\frac{x+1}{2} + \frac{2x-1}{4} + \frac{x+2}{3} = 1$

Answers



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