

Workout

Question 1: Solve each equation below

(a) $\frac{x}{7} = \frac{3}{2}$ (b) $\frac{a}{6} = \frac{3}{10}$ (c) $\frac{c}{20} = \frac{7}{8}$ (d) $\frac{w}{13} = \frac{3}{4}$

(e) $\frac{7}{10} = \frac{c}{8}$ (f) $\frac{4}{5} = \frac{d}{9}$ (g) $\frac{2}{11} = \frac{5}{h}$ (h) $\frac{14}{p} = \frac{3}{20}$

(i) $\frac{2a}{5} = \frac{3}{2}$ (j) $\frac{5x}{11} = \frac{9}{2}$ (k) $\frac{4a}{9} = \frac{6}{5}$ (l) $\frac{7}{4} = \frac{2y}{3}$

(m) $\frac{25}{4y} = \frac{1}{10}$ (n) $\frac{35}{8} = \frac{5w}{12}$ (o) $\frac{10}{17} = \frac{9}{10w}$ (p) $\frac{1}{3y} = \frac{2}{5}$

Question 2: Solve the following equations

(a) $\frac{x+1}{5} = \frac{3}{2}$ (b) $\frac{x+3}{4} = \frac{2}{3}$ (c) $\frac{2x+1}{5} = \frac{7}{2}$

(d) $\frac{3x-1}{5} = \frac{x+11}{2}$ (e) $\frac{x+3}{4} = \frac{2x-1}{7}$ (f) $\frac{3x-4}{3} = \frac{2x-1}{4}$

(g) $\frac{2}{3x-5} = \frac{1}{x+8}$ (h) $\frac{x+2}{2x+3} = \frac{1}{5}$ (i) $\frac{9}{4} = \frac{2x+1}{x-1}$

Question 3: Solve the following equations

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

(d) $\frac{x-3}{2} = \frac{2}{2x+1}$ (e) $\frac{5}{2x+3} = \frac{3x+1}{2}$ (f) $\frac{2}{7x-1} = \frac{x+3}{12}$