

Equations: Cross Multiplication

Workout

Question 1:

- (a) $x = 10.5$ (b) 1.8 (c) 17.5 (d) 9.75
(e) 5.6 (f) 7.2 (g) 27.5 (h) $93\frac{1}{3}$
(i) 3.75 (j) 9.9 (k) 2.7 (l) 2.625
(m) 62.5 (n) 10.5 (o) 1.53 (p) $\frac{5}{6}$

Question 2:

- (a) 6.5 (b) $-\frac{1}{3}$ (c) 8.25 (d) 57 (e) 25
(f) $2\frac{1}{6}$ (g) 21 (h) $-2\frac{1}{3}$ (i) 13

Question 3:

- (a) $x=1$ or $x=-4$ (b) $x = 2$ or $x = -2$ (c) $x = 3$ or $x = -6$ (d) $x = 3.5$ or $x = -1$
(e) $x = -2\frac{1}{3}$ or $x = 0.5$ (f) $x = -3\frac{6}{7}$ or $x = 1$

Equations: Advanced Fractional

Workout

Question 1:

(a) $x = -1$ or $x = 4$

(b) $x = -3$ or $x = 0$

(c) No solution

(d) $x = 13$

(e) $x = -0.5$ or $x = 1$

(f) $x = -2$

(g) $x = 0$ or $x = -3.5$

(h) $x = 3.5$ or $x = 1$

(i) $\frac{2}{3}$

(j) $x = -1$ or $x = 3$

(k) $x = 0$ or $x = 8$

(l) $x = 0$ or $x = 1$

Question 2:

(a) $x = -7.19$ or $x = -1.81$

(b) $x = -3.24$ or $x = 1.24$

(c) $x = -5.4$ or $x = 1.9$

(d) $x = 3.63$ or $x = 9.37$

(e) $x = 2.27$ or $x = 5.73$

(f) $x = -0.42$ or $x = 5.92$

Apply

Question 1:

It should be $(3x+7)(x-2)$

$x = -\frac{7}{3}$ or $x = 2$