3.2 Solutions (3.1 Drill)

Answer 1

Do the same to the whole of both sides of the equation

Answer 2

(i)

$x = m + 4.5$

(ii)

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

(iii)

$x = 8c$

(iv)

$x = \frac{8}{11}$

Answer 3

(i) $\frac{x}{8}$ **(ii)** $\frac{3x^2}{2w}$ **(iii)** $\frac{4k}{m + 3n}$

(iv) $\frac{1}{3}$ **(v)** $\frac{1}{x}$ **(vi)** $\frac{1}{5k + p}$

(vii) $\frac{p + q}{7}$ **(viii)** 7 **(ix)** x

Answer 4

$x = \frac{3k + 8n}{m}$

Answer 5

$x = \frac{z^2 + y + 8}{7}$

Answer 6

$x = \frac{11 - 5y}{15}$

Answer 7

$x = 20c - 55a$

Answer 8

$m = \frac{\sqrt{c} - v}{5}$

Answer 9

(i)

$x = \frac{v^2 + c}{4m}$

(ii)

$x = 8\sqrt{p}\ f$

(iii)

$x = \frac{m + \sqrt{n}}{k^2 + 2}$

(iv)

$x = \frac{1}{a + b - 5}$

Answer 10

$w = m^2 + 4pq$

Answer 11

$x = \dfrac{5}{7k - 3g}$

Answer 12

$x = \dfrac{7f}{h + 13}$

Answer 13

$x = \dfrac{7b}{a} - 5pq$

Answer 14

$x = \dfrac{1 + m}{u + 42}$

Answer 15

$x = \dfrac{4}{g - 1 - 3h} - 3z^2$