Solve the equation

Q $x - 3 = 4$

$x = 4 + 3$

$\boxed{x = 7}$

Q $K - 24 = -50$

$K = -50 + 24$

$K = -26$

$- + = -$

Q $x + 7 = 14$

$x = 14 - 7$

$\boxed{x = 7}$

Q $x + 100 = 50$

$x = 50 - 100$

$\boxed{x = -50}$

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

(1) $\frac{x}{8} = 11$

$x = 11 \times 8$

$\boxed{x = 88}$

(2) $\frac{x}{2} = 8$

$x = 8 \times 2$

$\boxed{x = 16}$

(3) $\frac{z}{7} = \frac{1}{21}$

$21 \times z = 1 \times 7$

$21z = 7$

$z = \frac{7}{21}$ (1, 3)

$\boxed{z = \frac{1}{3}}$

(4) $2x = 50$

(3) $2x = 50$

$$x = \frac{50}{2}$$

$$\boxed{x = 25}$$

(2) $5x = 25$

$$x = \frac{25}{5}$$

$$\boxed{x = 5}$$

(4) $4x + 5 = 17$

$$4x = 17 - 5$$

$$4x = 12$$

$$x = \frac{12}{4}$$

$$\boxed{x = 3}$$

(2) $3x + 17 = 32$

$$3x = 32 - 17$$

Q $3x + 17 = 32$

$3x = 32 - 17$

$3x = 15$

$x = \frac{15}{3}$

$\boxed{x = 5}$

Q $8r - 23 = -7$ $\quad = + = -$

$8r = -7 + 23$

$8r = 16$

$r = \frac{16}{8}$

$\boxed{r = 2}$

Q $\frac{7t}{8} = 14$

$7t = 14 \times 8$

$7t = 112$

$t = \frac{112}{7}$

$14 \times 8 = 112$

$7 \overline{)112}$ 16

-7

42

$7t = 112$

$t = \frac{112}{7}$

$$\begin{array}{r} 16 \\ 7\overline{)112} \\ -7 \\ \hline 42 \\ 42 \\ \hline 0 \end{array}$$

$\boxed{t = 16}$

Q $\frac{5x}{14} = \frac{75}{42}$

$5x = \frac{75}{42} \times 14$

$x = \frac{75 \times 14}{42 \times 5}$

$x = \frac{15 \times \cancel{14}^{7}}{\cancel{42}_{21}}$

$x = \frac{15 \times \cancel{7}^{1}}{\cancel{21}_{3}}$

$x = \frac{15}{3}$

$t = 16$

42
42
0

Q $\frac{5x}{14} = \frac{75}{42}$

$5x = \frac{75}{42} \times 14$

$x = \frac{75 \times 14}{42 \times 5}$

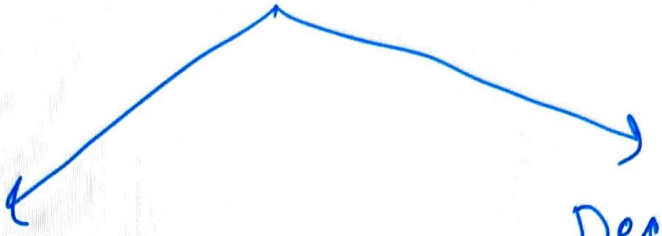
$x = \frac{15 \times \cancel{14}^{7}}{\cancel{42}_{21}}$

$x = \frac{15 \times \cancel{7}^{1}}{\cancel{21}_{3}}$

$x = \frac{15}{3}$

$x = 5$

Ch → Decimals



Decimal

Fractions

$\frac{2 \rightarrow \text{Numerator}}{10 \rightarrow \text{Denominator}}$

Rules

⇒ How many Zeroes in Denominator

⇒ Afterward you have to check numerator from back side (right side)

⇒ After checking you have to put decimal in the numerator.

Eg $\frac{2}{10} = 0.2$

$\frac{2}{100} = 0.02$

$\frac{\cancel{100}}{\cancel{100}} = 1$

$\frac{2}{1000} = 0.002$

$$\frac{2}{1000} = 0.002$$

$$\frac{2}{10000} = 0.0002$$

Convert into decimal (point)

1) $\frac{1}{10} = 0.1 =$ Zero point one

2) $\frac{4}{10} = 0.4 =$ Zero point four

3) $\frac{8}{10} = 0.8 =$ Zero point eight

4) $\frac{11}{10} = 1.1 =$ one point point

5) $\frac{319}{100} = 3.19 =$ Three point one nine

6) $\frac{7}{100} = 0.07 =$ Zero point Zero seven

7) $\frac{9}{1000} = 0.009 =$ Zero point Zero Zero nine

8) $\frac{6666}{1000} = 6.666 =$ Six point Six Six

8) $\frac{6666}{1000}$ = 6.666 = six point six six six

9) $\frac{72}{10}$ = 7.2

10) $\frac{689}{100}$ (689 → 3, 100 → 2) = 6.89

11) $\frac{15}{1000}$ (15 → 2, 1000 → 3) = 0.015 (3)

12) $\frac{1}{1000}$ (1 → 1, 1000 → 3) = 0.001 (3)

13) $\frac{345}{1000}$ = 0.345

Single

① $\frac{9}{10}$ (9 → 1, 10 → 1) = 0.9 (1)

② $\frac{9}{100}$ (9 → 1, 100 → 2) = 0.09 (2)

③ $\frac{9}{1000}$ (9 → 1, 1000 → 3) = 0.009 (3)

Double

① $\frac{9}{10} \to 1$ → 1

$0.\underset{1}{9}$

② $\frac{9}{100} \to 2$

$0.\underset{2}{09}$

③ $\frac{9}{1000} \to 3$

$0.\underset{3}{009}$

Double

④ $\frac{91}{10} \to 2$ → 1

$9.\underset{1}{1}$

⑤ $\frac{91}{100} \to 2$

$0.\underset{2}{91}$

⑥ $\frac{91}{1000} \to 3$

$0.\underset{3}{091}$

Tripple

⑦ $\frac{911}{10} \to 3$ → 1

$91.\underset{1}{1}$

⑧ $\frac{911}{100} \to 3$ → 2

9.11

⑨ $\frac{911}{1000} \to 3$

0.911