

$$\frac{7}{12} = \frac{c-3}{8}$$

$$\frac{1}{16} = \frac{c-3}{8}$$

$$\frac{c-3 \times 2}{8 \times 2} = \frac{1}{16}$$

$$\begin{array}{r} 16 \\ 7 \overline{) 112} \\ \underline{74} \\ 42 \end{array}$$

$$2(c-3) = 1$$

$$2c - 6 = 1$$

$$2c = 7$$

$$c = 3.5$$

~~16~~

$$\left(\frac{7}{12} \right) = \left(\frac{c-3}{8} \right) \frac{8}{1}$$

~~28~~
14

$$\frac{7}{14} = c-3$$

$$\frac{1}{2} = c-3$$

$$3\frac{1}{2} = c$$

$$\binom{60}{1} \frac{6+n}{60} = \binom{15}{3} \frac{2}{1}$$

$$6+n = \frac{15 \cdot 2}{3}$$

$$6+n = 10$$

$$n = 4$$

	R	A.C.
Sb	10	x → 110
t	23	253

$$\binom{253}{1} \frac{10}{23} = \frac{x}{253} \binom{253}{1}$$

$$\frac{2530}{23} = x \quad 110$$

$\frac{4 \text{ rent}}{7 \text{ own}}$

110 sb
rented?

$$\left(\frac{10}{1}\right) \frac{4 \text{ rent}}{\text{total}} = \frac{r}{110} \left(\frac{110}{1}\right)$$

40 rent

$$\frac{8}{x} = \frac{6}{15}$$

$$\frac{2}{5} = \frac{8}{x}$$

$$6x = 8(15)$$

$$\frac{6x}{6} = \frac{120}{6}$$

$$x = 20$$

$$\frac{1}{2} = \frac{2}{4} = 2 \times 2 = 1 \times 4$$

4 = 4

Cross products
are equal

$$\frac{4}{x} = \frac{8}{x-3}$$

$$8x = 4(x-3)$$

$$8x = 4x - 12$$

$$-4x = -12$$

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

$$x = 3$$

Every day Mr. T is fed 8 pounds of food for every 100 pounds he weighs. If Mr. T weighs 280 pounds, how much food will he get?

$$\frac{100f}{100} = \frac{2240}{100}$$

$$f = 22.4 \text{ lbs}$$

food
weight

	R	AC
f	8	f
w	100	280

$$\frac{8}{100} = \frac{f}{280}$$

$$100f = 8(280)$$

3.6 # 3-13 odd

17, 19-29 odd

33, 41, 44-54 even