

$$\binom{5}{30} \frac{11}{6} = \frac{x}{30} \binom{5}{30}$$

$\overset{1}{55} = x$

$$\binom{5}{35} \frac{w}{35} = \frac{4}{7} \binom{5}{35}$$

$w = 20$

$$\left(\frac{\cancel{8}^1}{\cancel{8}}\right) \frac{m+3}{\cancel{8}} = \frac{40}{\cancel{64}_8} \left(\frac{\cancel{8}^1}{\cancel{8}}\right)$$

$$m+3 = 5$$

-3 -3

$$m = 2$$

$$\left(\frac{\cancel{64}^8}{\cancel{1}}\right) \frac{m+3}{\cancel{8}_1} = \frac{40}{\cancel{64}} \left(\frac{\cancel{64}}{\cancel{1}}\right)$$

$$8m + 24 = 40$$

-24 -24

$$\cancel{8}m = 16$$

$\frac{\cancel{8}}{\cancel{8}}$ $\frac{\cancel{8}}{\cancel{8}}$

$$m = 2$$

$$\frac{m+3 \times 8}{8 \times 8} = \frac{40}{64}$$

$$8(m+3) = 40$$

$$8m + 24 = 40$$

$$-24 \quad -24$$

$$8m = 16$$

$$m = 2$$

$$\frac{n-2}{50} = \frac{6}{30} \left(\frac{50}{50} \right) \frac{n-2}{50} = \frac{1}{5} \left(\frac{50}{50} \right)$$

$$n-2 = 10$$

$$\frac{1}{5} = \frac{n-2}{50}$$

$$\frac{n-2}{50} = \frac{1 \times 10}{5 \times 10}$$

$$n-2 = 10$$

$$+2 \quad +2$$

$$n = 12$$

9 is to 2 as m is to 12

$$\begin{array}{c} 6 \\ \cancel{(12)} \end{array} \frac{9}{\cancel{2}} = \frac{m}{\cancel{12}}$$

$54 = m$

Julia scored 10 goals in 4 games
How many goals will she score in a
12 game season?

	Ratio	AC
goals	10	$9 = 30$
games	4	12

$$\begin{array}{c} 3 \\ \cancel{(12)} \end{array} \frac{10}{\cancel{4}} = \frac{9}{\cancel{12}}$$

$30 = 9$

3.5

7-11 odd, 23, 24, 34, 35,

40-42, 45, 47-49, 53