

$$1. \quad \begin{array}{r} 1x \times 5 \\ 4 \quad 1 \end{array}$$

$$x = 20$$

The total matches in the box = 20

$$\begin{array}{r} 1 \times 20 \\ 4 \end{array}$$

$$= 5$$

$$5 + 5 = 10$$

$\therefore$ he used 10 matches and he has 10 left

$$2. \quad 6p - 2q + 4r - 2p + 3s + 5q$$

$$\begin{aligned} & 6p - 2p - 2q + 5q + 4r + 3s \\ & = 4p + 3q + 4r + 3s \end{aligned}$$

3.

$$a) \quad x + 2x + 3y + y$$

$$3x + 4y$$

$\therefore$ There are $3x + 4y$ goals for in the month

$$\textcircled{b} \quad 2y + y + y + x$$

$$4y + x$$

there are 4y + x goals against in the month

$$4 \textcircled{a} \quad Z \pm 11$$

$$Z + Z = 11 + 11$$

$$= 22$$

$$\textcircled{b} \quad 9 + (2 \div 2)$$

$$9 + (11 \div 11)$$

$$9 + (1)$$

$$9 + 1 = 10$$

$$\textcircled{c} \quad 2 - 2 = 11 - 11$$

$$= 0$$

$$d. \quad 2 + (5 \times 2)$$

$$12 + (5 \times 11)$$

$$11 + 55$$

$$= 66$$

$$5 \quad 39 = 4 \times 3$$

$$\cancel{24} = \cancel{39}$$

$$\cancel{2} \quad \cancel{3}$$

$$4 = 13$$

$$6 \quad x + 3 = -5$$

$$5 + 3 = x$$

$$3 + 5 = x$$

$$8 = x$$

$$7 \quad 74 - 75$$

$$= -1$$

$$8 \quad \frac{3}{8} \text{ of } 20$$

$$\frac{3}{8}$$

$$\frac{3}{8} \times \frac{105}{20} = \frac{15}{2}$$

$$\frac{1}{2}$$

$$= 7\frac{1}{2}$$

$$9 \quad 13\frac{3}{4} \div 11$$

$$\frac{55}{4} \div 11$$

$$\frac{5}{4}$$

$$\frac{5}{4} \times \frac{1}{11} = \frac{5}{44}$$

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

$$10 - \frac{3}{8} \text{ of } 2\frac{2}{9} \times 1\frac{3}{5}$$

$$\frac{3}{8} \text{ of } \frac{20}{9} \times \frac{8}{5}$$

$$\frac{3}{8} \times \frac{20}{9} \times \frac{8}{5}$$

$$= \frac{5}{3} \times \frac{8}{3} = \frac{4}{3} = 1\frac{1}{3}$$