## Ratio - Exercise 12.2S

$$4a)$$
 \$\frac{2}{90}\$ in ratio 3:7 10 shares

1share = \frac{490}{10} = \frac{10}{27}

3×\frac{49}{27} = \frac{427}{427} \frac{427}{463}

$$7 \times \cancel{t} 9 = \cancel{t} 63$$

369 Kg in ratio 7:2 9 shares

1 share = 
$$\frac{369}{9}$$
 = 41 Kg

$$7 \times 41 \text{ Kg} = 287 \text{ Kg}$$
  $287 \text{ Kg} : 82 \text{ Kg}$   $2 \times 41 \text{ Kg} = 82 \text{ Kg}$ 

$$\frac{30 \text{ m}}{5000} = 6 \times 10^{-3} = 0.006 \text{ m}$$

$$= 0.66 \text{ m}$$

$$\frac{20n}{500} = 0.04n$$

Simplifying Ratios

Example A farmer keeps cows, sheep and goats.

The cows and sheep are in a ratio 5:8 and the sheep and gouts are in a ratio 10:7 Find in its simplest form the vatio for cous: sheep: goats

```
C ; S : G
          5:8
x5
                10 : 7
× 4
          25:40
                40:28
      = 25 : 40 : 28
Exz
      X and Y are in the ratio 5:12
        X and Z are in the ratio 7:9
  Find the note I to Z in its simplest form
          X : \mathcal{I} : \mathcal{Z}
          5: 12
x 7
          7
x5
            : 84
          35
                    : 45
          35
          35 ; 84 ; 45
      4:Z = 84:45
```