

- Q) The three sides of a triangle are in the ratio 1:1.5:2. If the greatest side is 8cm find the other two sides. (Answer: 4cm) 6cm

$$\triangle = \frac{1}{1} = \frac{5}{2}$$

$$= \frac{1 \times 2}{1 \times 5} = \frac{2}{5} \quad (\text{greatest side } 8 \text{ cm})$$

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

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

- Q) Two numbers are in the ratio 5:7. If the sum of the numbers is 132, find the two numbers.

$$\Rightarrow 5:7 = 132$$

$$5+7 = 12$$

$$\frac{5}{12} \times \frac{11}{132} = 55$$

$$\frac{7}{12} \times \frac{11}{132} = 77$$

→ The Numbers are there 55: 77.

Q) The ratio of boys to girls in a school is 3:2. If there are 600 boys in the school, find the number of girls.

$$\rightarrow 3:2 = 600 \text{ boys}$$

$$3+2=5$$

$$\frac{3}{5} \times \frac{120}{600} = 360$$

$$\frac{2}{5} \times \frac{120}{600} = 240$$

The number of girls 240