

Ratio – Quick Revision

Bronze → Silver → Gold

Simplifying ratio

$$4 : 6 = 2 : 3 \text{ (Divide both by 2)}$$

$$16 : 12 : 20 = 4 : 3 : 5$$

(Divide all by 4)

Simplify the following:

$$6 : 8 =$$

$$10 : 15 =$$

$$24 : 36 =$$

Simplify fully:

$$4 : 6 : 8 =$$

$$12 : 20 : 24 =$$

$$36 : 48 : 72 =$$

Find the missing number.

$$2 : 3 = ___ : 9$$

$$5 : ___ = 15 : 24$$

$$2 : 3 : ___ = 12 : ___ : 24$$

Dividing/Sharing by ratio

Divide £20 in the ratio 2 : 3

$$2 + 3 = 5 \text{ (add both ratio)}$$

$$20 \div 5 = 4$$

(divide the amount by the total ratio to get the value of one part)

$$2 \times 4 = 8 \text{ and } 3 \times 4 = 12$$

Divide 30 in the ratio 3:7

Share £72 in the ratio 4 : 5

Divide 120 in the ratio 2 : 3 : 5

Solving ratio problems

Remember:

Find the value of one part from the information given

Jack and John share an amount of money in the ratio 2:3. If Jack receives £24 how much did John receive?

The angles of a triangle are in the ratio 2: 3: 5. Find the three angles of triangle.

In a class, there are 4 more girls than boys. If the ratio of boys to girls is 3 : 5, find the number pupils in the class.