

## Year 9 Core – Ratio

1	Write down the ratio of 350 cm to 25 cm. Give your answer in its simplest form.	2	Write down the ratio of 220 kg to 5 kg. Give your answer in its simplest form.
3	(a) Write the ratio 32 : 24 in its simplest form  (b) $\frac{1}{9}$ of people in a class are left handed. Write the ratio of left handed people to right handed people	4	Write the ratio 12 : 30 in the form 1 : n
5	There are some cubes in a bag. $\frac{1}{6}$ of the cubes are red. The rest of the cubes are blue. Write the ratio of the number of red cubes to the number of blue cubes. Give your answer in the form 1 : n		
6	There are only blue counters, red counters and yellow counters in a bag. There are twice as many blue counters as yellow counters. There are three times as many red counters as yellow counters. Write down the ratio of blue counters to red counters to yellow counters.		

## Dividing and Sharing Ratio

1. Divide £24 into the ratio 1 : 3. (Total 4 parts)

$$£24 \div 4 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times 1 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times 3 = \underline{\hspace{2cm}}$$

         :         

2. Divide 800ml into the ratio 3 : 7. (Total 10 parts)

$$800\text{ml} \div 10 = \underline{\hspace{2cm}}$$

         :         

3. Share 56 sweets in the ratio 2 : 5. (Total 7 parts)

         :         

4. Divide £72 into the ratio 4 : 5.

         :         

5. Divide 84 pens into the ratio 5 : 9.

         :         

6. Share £120 in the ratio 5 : 2 : 5. (Total 12 parts)

$$£120 \div 12 = \underline{\hspace{2cm}}$$

         :          :

7. Divide 24L into the ratio 3 : 3 : 2.

\_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_

8. Share 96 sheep in the ratio 7 : 1 : 4.

\_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_

9. A school collected £140 for charity. It was decided to divide the money between Dr Barnados and the RSPCA in the ratio 4 : 3. How much did each charity receive?

Dr Barnados: \_\_\_\_\_ RSPCA: \_\_\_\_\_

10. Mr Allen, Mr Broome and Mr Collins own 2, 5 and 7 parts of a business respectively. The business makes £420 profit in a week. How much does each man get?

Mr Allen: \_\_\_\_\_ Mr Broome: \_\_\_\_\_ Mr Collins: \_\_\_\_\_