

RATIOS - sharing in proportion

Work through this example before answering the exercise

Millie and Nick share £45 in the ratio 3 : 2

5 parts altogether. $£45 \div 5 = \underline{\hspace{2cm}}$ (so each part = £)

Millie's share will be $3 \times \underline{\hspace{2cm}} = \text{£ } \underline{\hspace{2cm}}$

Nick's share will be $2 \times \underline{\hspace{2cm}} = \text{£ } \underline{\hspace{2cm}}$

Exercise

1. Share the following amount in the ratio 1 : 2

(a) 60kg

(b) £21

.....
2. Share the following amount in the ratio 2 : 3 : 4

(a) 27kg

(b) £180

.....
3. A fruit juice is made in the ratio "2 parts blackcurrant to 5 parts water". 3500 ml of juice is needed for a party. Work out how much blackcurrant is needed to make up the juice.

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4. A green paint is made from mixing 2 parts blue and 3 parts yellow.

(a) What is the ratio of blue to yellow ?

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(b) 24 litres of yellow is used. How much blue should be used?