

1. NO calculator

- (a) Faith and Katy share £35 in the ratio 3 : 2
Work out how much each person gets
- (b) A news agent delivers magazines.
There are two types of magazine, monthly magazines and weekly magazines.
The ratio of the number of monthly magazines to the number of weekly magazines is 5 : 2
The total number of magazines is 28
Work out the number of monthly magazines.

2. NO calculator

- (a) Nina and Patricia share £27 in the ratio 4 : 5
Work out how much more money Patricia gets than Nina.
- (b) Nicki and Beyonce share £44 in the ratio 3 : 8
Work out how much less money Nicki gets than Beyonce.

3. NO calculator

- (a) A chocolate easter egg weighs 700 g.
A teacher divides it into three pieces in the ratio 8 : 5 : 7
Work out the weight of the largest piece.
- (b) Kat shares £480 between Mahsood, Shabnam and Tamwar in the ratio 2 : 3 : 7
Work out how much each person gets.
- (c) A ribbon is 360 cm long.
Louis cuts it into three pieces in the ratio 5 : 6 : 7
Work out the length of the longest piece.

4. CALCULATOR OK

- (a) Bobby and Cindy share some money in the ratio 7 : 8
Bobby gets £25.20
Work out how much Cindy should have.
- (b) There are toffee and mint sweets in a factory.
The ratio of the number of toffee sweets to the number of mint sweets is 2 : 3
There are 3 000 toffee sweets.
Work out the total number of sweets.

5. NO Calculator

A gardener planted 90 aster plants.

She also planted 36 viola plants.

Write down the ratio of the number of aster plants to the number of viola plants.

Give your ratio in its simplest form