

Solving Problems Involving Ratio

1.

Annie, Brian, Charlie and Daniel share 144 marbles in the ratio 5 : 1 : 4 : 2.
How many more marbles does Annie have than Daniel?

2.

Ava, Ben, Cara and Dylan share 120 stickers in the ratio 4 : 2 : 3 : 1.
How many more stickers does Ava have than Dylan?

3.

Ruby, Leo, Mason and Isla share 150 sweets in the ratio 6 : 4 : 3 : 2.
How many more sweets does Ruby have than Isla?

4.

Sarah, Tom, Priya and Noah share 180 beads in the ratio 7 : 5 : 4 : 2.
How many more beads does Sarah have than Noah?

5.

Jacob, Emily, Oscar and Grace share 168 toy bricks in the ratio 5 : 4 : 3 : 2.

How many more bricks does Jacob have than Oscar?

6.

Mr Smith donated £360 between a children's charity and an animal charity in the ratio 2 : 1.

How much does he donate to each charity?

7.

Ms Patel divides £450 between a sports charity and a hospital charity in the ratio 5 : 4.

How much does each charity receive?

8.

A prize fund of £720 is shared between two schools in the ratio 3 : 2.

How much does each school receive?

9.

A total of £540 is split between an art project and a music project in the ratio 4 : 5.

How much does each project receive?

10.

A donor gives £800 to two research groups in the ratio 7 : 1.
How much money does each group receive?

Scroll down for solutions

Solutions

1.36

2.36

3.40

4.50

5.24

6.£240 and £120

7.£250 and £200

8.£432 and £288

9.£240 and £300

10.£700 and £100