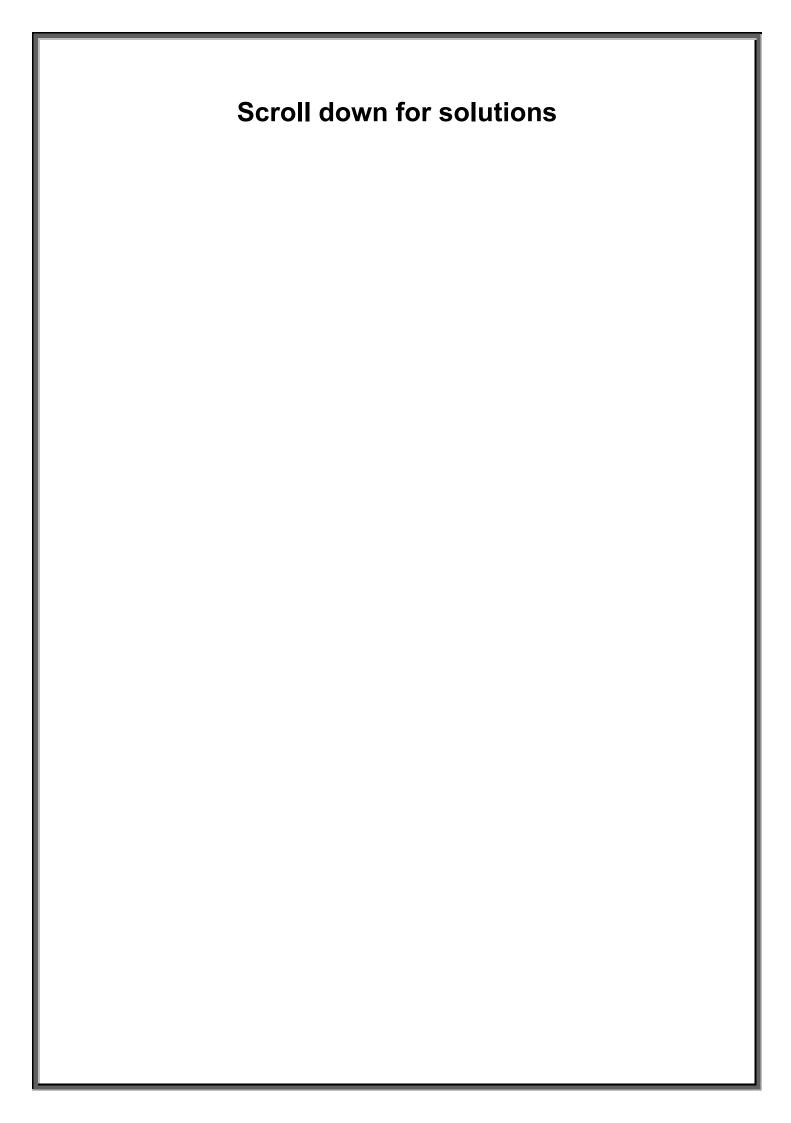
## **Solving Problems Involving Ratio**

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
10.
A donor gives £800 to two research groups in the ratio 7 : 1.
How much money does each group receive?



## **Solutions**



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