

Ratio problems (calculator allowed)

- 1) Peter and Daniel score 96 goals in a single season. They share them with a ratio of 3:1. How many did Peter score?
- 2) Swallows class are choosing sports day activities – their choices are 100m sprint, long jump and high jump.
There are 33 children in the class and they chose the activities at a ratio of 5:2:4

How many chose 100m sprint?

- 3) *There are 1300 children at a college. The boy to girl ratio is 52:48.
How many girls are there?*
- 4) There were five children from Owls class in school on Thursday morning; 25 of them were at home. What is the ratio of 'children in school' to 'children not in school' in its simplest form?
- 5) The shops in a city centre are closed at a ratio of 5:2. For every 5 shops closed, two are open.
 - a) If 22 shops are open, how many are closed?
 - b) How many shops are in the city in total?
- 6) *There are 1300 children at the college, aged between 11 and 16.*

*In ascending order, the ratio from ages 11-16 is: **11 : 9 : 10 : 8 : 9 : 5***

- a) *How many children are 16 years old?*
- b) *How many children are under 14?*
- 7) Year 5/6 have achieved a total of 42,600 miles this year – shared between Swallows, Ravens and Owls class.
Swallows have achieved the most and Owls the least. The ratio is 11 : 10 : 9.
How many miles have Ravens achieved?
- 8) Betty gave some sweets to 3 children (Sam, Lisa and Dan) at a ratio of 5 : 4 : 3.
If Dan received six sweets, how many sweets were given out in total?

