

Y6 Ratio word problems

1. Sophie was trying to calculate the number of students in her school.
She found the ratio of boys to girls across the school was 3:2
If there were 120 boys in the school:
 - a. How many girls were there?
 - b. How many students were there altogether?
2. Pupils on the Eco Committee in Year 6 wanted to investigate how many worksheets were being printed each week.
They found that there were 160 Maths worksheets and 80 English worksheets.
What is the ratio of Maths to English worksheets?
3. The Year 6 football club has 30 members. The ratio of boys to girls is 4:1. How many boys and girls are in the club?
4. Yamina has a necklace with purple and blue beads.
The ratio of purple:blue beads = 1:3
There are 24 beads on the necklace. How many purple and blue beads are there?
5. Maisie drives past a field of sheep and cows.
She works out that the ratio of sheep to cows is 3:1
If there are 5 cows in the field, how many sheep are there?
6. At a party there is a choice of 3 flavours of jelly – orange, blackcurrant and lemon.
The ratio of the jellies are 3:2:1 (orange: blackcurrant: lemon).
If there are 9 orange jellies. How many blackcurrant and lemon jellies are there?
7. The school photocopier prints out 150 sheets in 3 minutes.
How many sheets can it print out in 15 minutes?
8. Mayar carried out a survey of the favourite sports of children in Year 6.
For every 3 students who chose football, 2 chose swimming and 1 chose basketball.
12 children chose football. How many took part in the survey altogether?