

## WorksheetCloud Memo

### Grade 5

### Maths

### Working with Ratios

1. You buy a bag of toffees. There are butterscotch and double butter flavours. The ratio of butterscotch to double butter is 4:5  
If there are 45 toffees altogether, how many butterscotch flavour are there?

9 goes into 45, 5 times.  $4 \times 5 = 20$  There are 20 butterscotch toffees

2. You decide to count the knives and forks in the kitchen. The ratio of knives to forks is 6:7. If there are 12 knives, how many forks are there?

You double 6 to get 12, so you must double 7 to find the number of forks (14). There are 14 knives.

3. The ratio of right-handed people to left-handed people is 4:1. In your class there are 6 left-handed people. How many people are there altogether?

You multiply 1 by 6 to get 6, so you must multiply 4 by 6 to find the number of right-handed people (24). Then you add the left and right-handed people to get the total (30). There are 30 people in the class altogether.

4. Sam has pens and pencils in a ratio of 4:3. If there are 24 pens, how many pencils are there?

You multiply 4 by 6 to get 24. You need to do the same to the pens  $6 \times 3 = 18$ . There are 18 pens.

5. Your mom shares out money between you and your younger sister in a 5:3 ratio. If you got R25, how much did your mom pay out altogether?

You multiplied 5 by 5 to get R25, so you must do the same to 3.  $3 \times 5 = 15$ . Your sister gets R15.  $R25 + R15 = R50$ . Your mother paid out R50 altogether.