

4. Write the fraction $\frac{5}{8}$ as a percentage

13. A machine fills bags with buttons .

There are 578 buttons .

There are 32 buttons in each full bag.

The machine fills as many bags as possible.

How many buttons left over?

14. The table shows the number of goals scored by each of 3 football teams.

Draw a pie chart to show this information.

Team	Goals scored
Bournemouth	14
Southampton	18
Portsmouth	13

16. An exam has 2 papers, Paper 1 and Paper 2.

Paper 1 has 50 marks.

Paper 2 has 70 marks.

The pass mark is $\frac{2}{3}$ of the total number of marks.

John gets 56% on paper 1.

How many marks must he score on Paper 2 in order to pass?

17. Rishi wants to make orange juice.

He is going to buy bags of oranges.

There are 5 oranges in each bag of oranges
8 oranges make 1.5 litres of juice.

Rishi needs to buy enough oranges to make 9 litres of orange juice.

a) Work out the number of bags of oranges that Rishi needs to buy.

b) Rishi also buys 56 apples and 63 bananas.

Write down the ratio of the number of apples to the number of bananas. Give your ratio in its simplest form.

19. Ann, Mina and Shana share an amount of money.

Ann gets four times as much as much as Mina.

Ann gets half the amount that Shana gets. What fraction of the total amount does each person get?

20. Pens and rulers are sold in a shop.

12 pens cost £8.40

The ratio of a cost of one pen to the cost of one ruler is 2:3

Work out the cost of 9 rulers and 5 pens.

23. Mick puts apples into small boxes and large boxes.

He puts 8 apples in each small box.

He puts 50 apples in each large box.

He puts a total of 4700 apples in boxes so that

$$\begin{aligned} \text{Number of apples in large boxes: number of apples in small boxes} \\ = 35:12 \end{aligned}$$

Mick says that more than 70% of the full boxes, are small boxes.

Is he correct? You must show your working.

28. Each exterior angle of a regular polygon is 10°

Work out the number of sides of the polygon.