

Challenge

Pair up the colours and work out the ratio of the different colour Smarties.

Smarties problems for Year 5/6

Count the Smarties. Can you identify each colour as a fraction of the whole?

E.g. Blue = $\frac{3}{15}$ or $\frac{1}{5}$

If I had 10 identical boxes of Smarties, how many of each colour would I have?



There are 36 Smarties in a box.

$\frac{2}{6}$ are blue.

50% are red

$\frac{2}{12}$ are pink.

How many of each colour are there?

On one side of a balance there is a 333g block of butter. If one Smartie weighs 0.3g, how many Smarties would be needed to balance the scales?

If Green + Green = Brown

Blue + Red = 7

Red + Brown + Green = 11

What is the value of each colour Smartie?

Smarties problems for Year 3/4

One Smartie measures $\frac{1}{2}$ cm in diameter. How many Smarties would you need to make a line

1m long?

1Km long?

1578m long?

There are 180 Smarties in a pack. Mrs Morris needs 525 to decorate a cake. How many packs will she need?

How many Smarties will be left over?

If Red + Blue = 20

Blue + Blue + Blue = 15

Red + Blue + Yellow = 28

What is the value of each colour?

There are 96 Smarties in a pack. Miss Risorto eats $\frac{3}{4}$ of them. How many does she eat? How many left for Mrs Morris?

Challenge

Undo the box and find the net. Can you design a different box to hold your Smarties.



Smarties problems for Year 1/2



Is there an odd or an even number of Smarties in your box?

How could we find out?

If there are 10 Smarties in a box, how many would be in:

2 boxes

5 boxes

7 boxes?

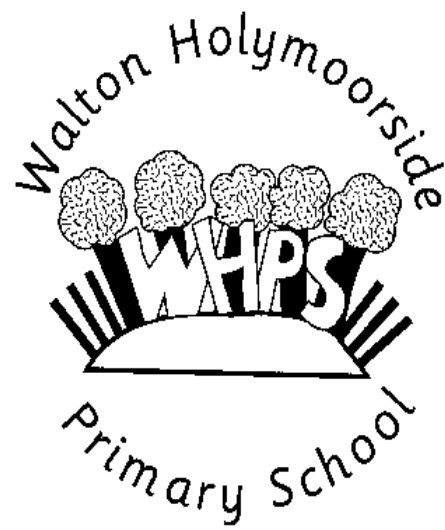
What is the most common coloured Smartie in your box?

Can you draw a bar chart to prove it?

If there are 3 green Smarties in each box, how many boxes will I need to get 27 Smarties for my cake?

Challenge

Make up some number stories of your own for your box of Smarties.



Maths Challenges