

# 6

## PERCENTAGES

White  
Rose  
Maths

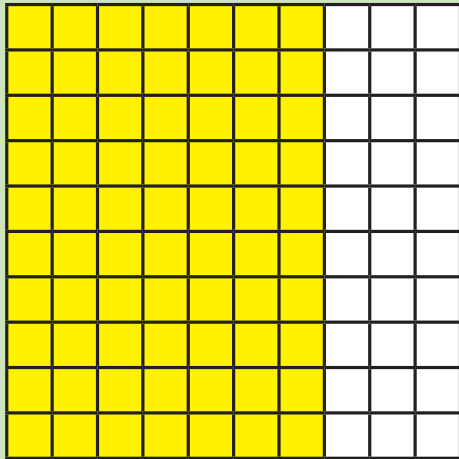


From White Rose Maths schemes for Year 6 Spring Term  
**BLOCK 2 - PERCENTAGES**

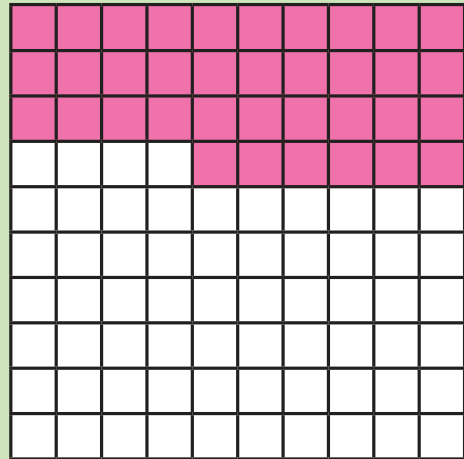
1

Here are some hundred squares.

What percentage of each grid is shaded?



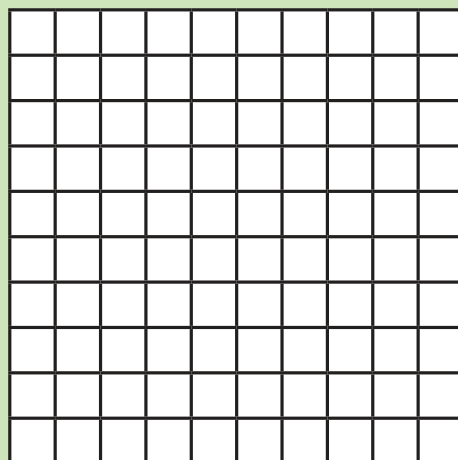

%




%

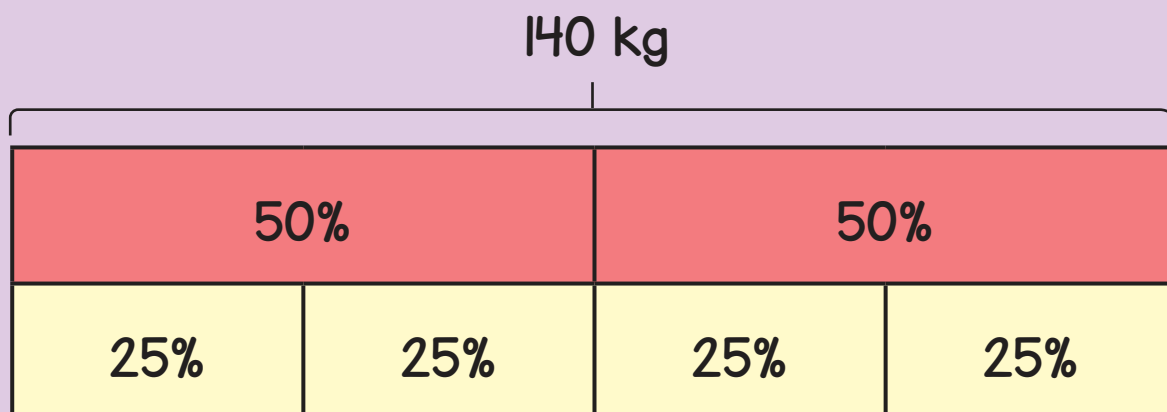
2

Shade 18% of the hundred square.



3

Use the bar model to help you.

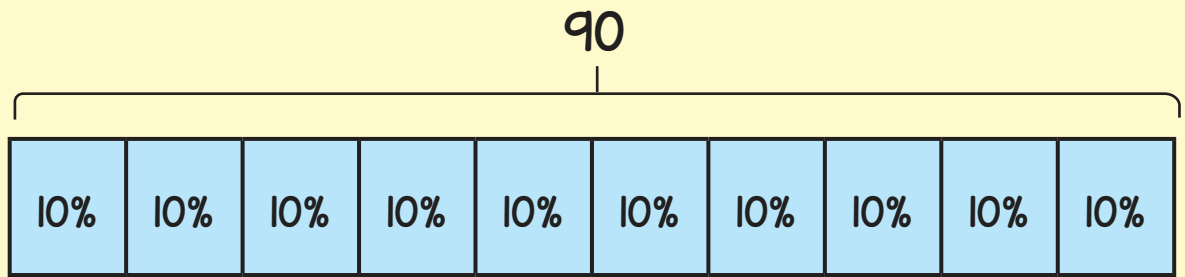


What is 50% of 140 kg?

What is 25% of 140 kg?

4

Use the bar model to help you.



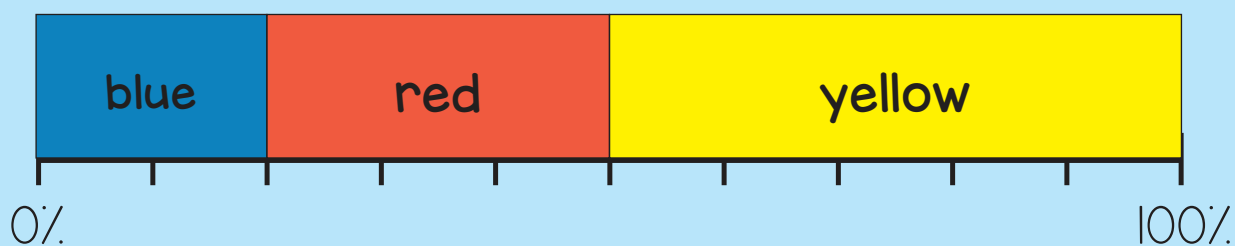
What is 10% of 90?

What is 30% of 90?

What is 90% of 90?

What is 5% of 90?

- 5 The percentage bar model shows the colour of counters in a box.



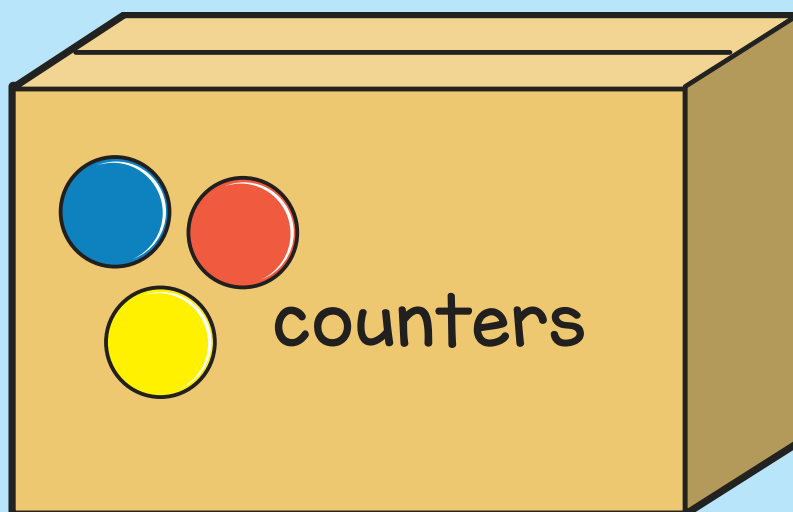
What percentage of the counters in the box are blue?

 %

What percentage of the counters in the box are yellow?

 %

What percentage of the counters in the box are red?

 %

6

50% of a number is 41

What is the number?

10% of a number is 6.8

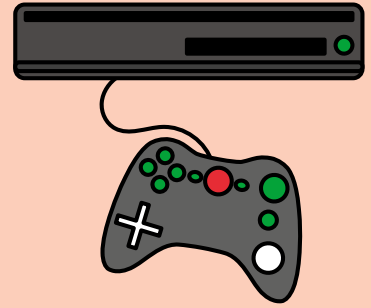
What is the number?

7

Mo has £600 in the bank.

He spends 4% of his money on a new computer game.

How much money does he spend on the computer game?



8

Complete the table.

Percentage	Fraction	Decimal
50%	$\frac{1}{2}$	0.5
3%	$\frac{3}{100}$	
	$\frac{2}{5}$	0.4
27%		0.27

9

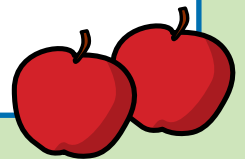
Rosie has a large bag of apples.

There are 140 apples in the bag.

She uses  $\frac{1}{4}$  of the apples to make some juice.

She uses 30% of the apples to make some pies.

How many apples are left?



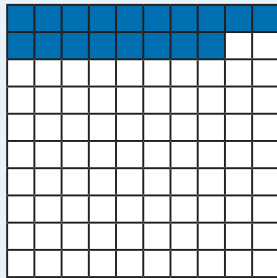


# Answers



1 70%      36%

2 Hundred square with 18 small squares shaded, for example:



3 70 kg      35 kg

4 9      27      81      4.5

5 20% blue      50% yellow      30% red

6 82      68

7 £24

8

Percentage	Fraction	Decimal
50%	$\frac{1}{2}$	0.5
3%	$\frac{3}{100}$	<b>0.03</b>
<b>40%</b>	$\frac{2}{5}$	0.4
27%	<b><math>\frac{27}{100}</math></b>	0.27

9 63 apples