

6

PERCENTAGES

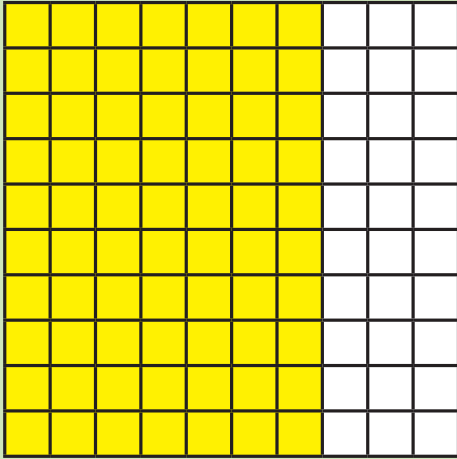
White
Rose
Maths



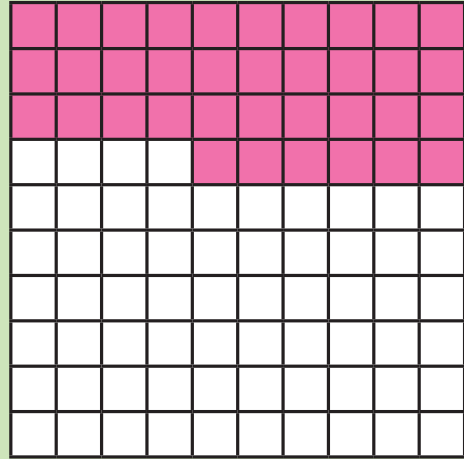
1

Here are some hundred squares.

What percentage of each grid is shaded?



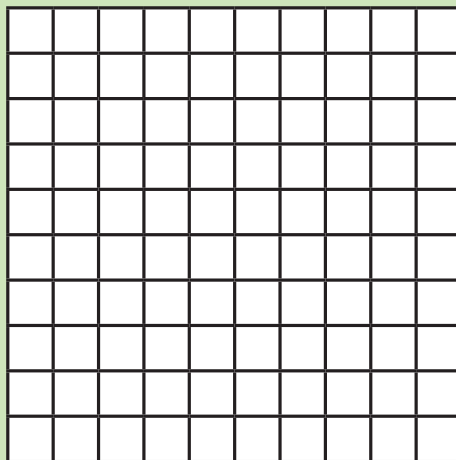
%



%

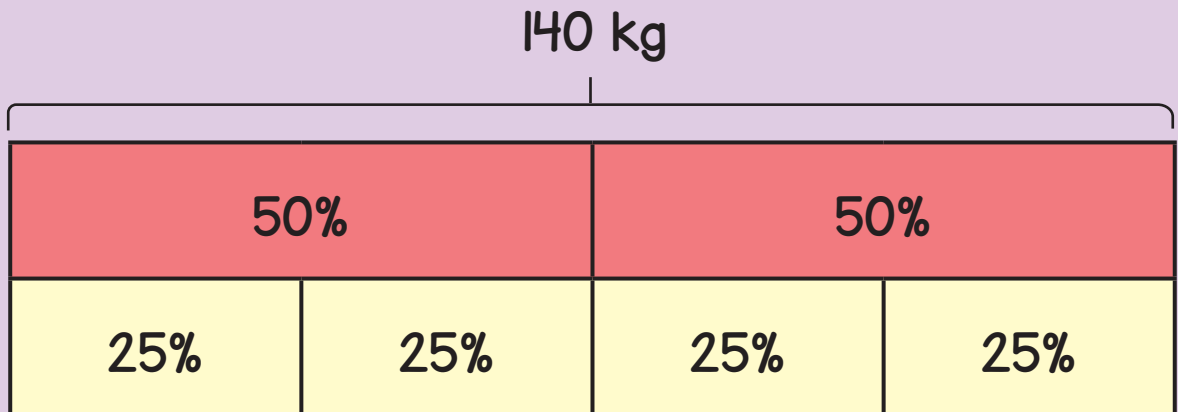
2

Shade 18% of the hundred square.



3

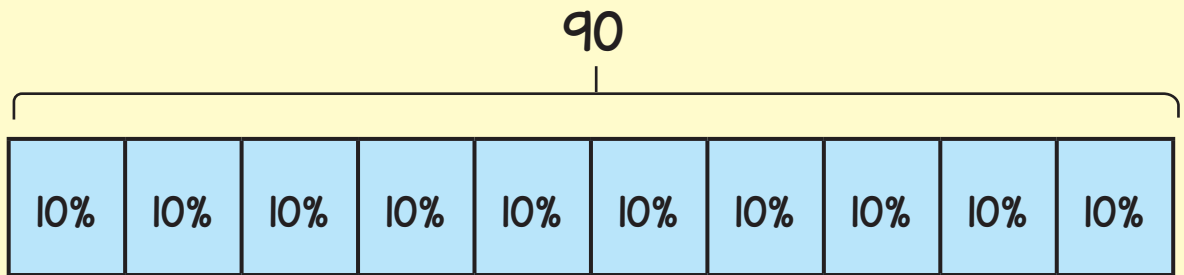
Use the bar model to help you.



What is 50% of 140 kg?

What is 25% of 140 kg?

- 4 Use the bar model to help you.



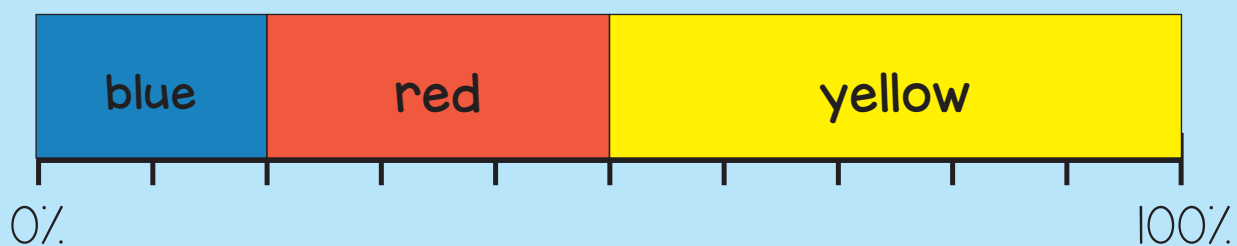
What is 10% of 90?

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.



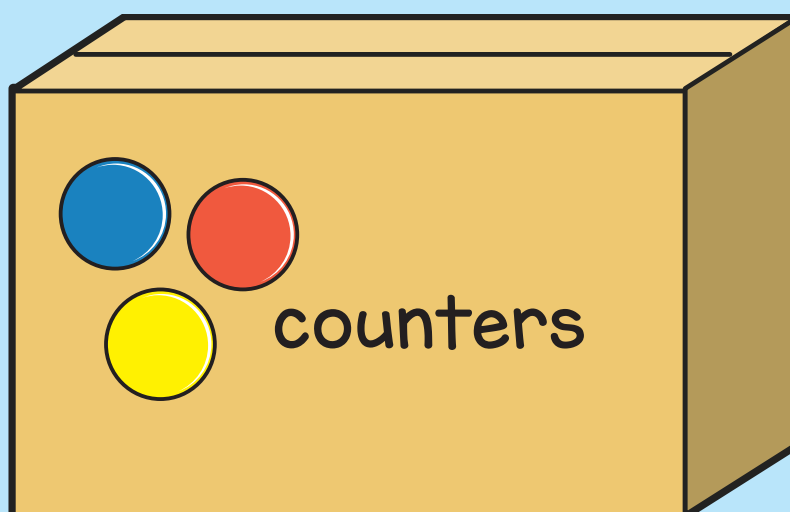
What percentage of the counters in the box are blue?

 %

What percentage of the counters in the box are yellow?

 %

What percentage of the counters in the box are red?

 %

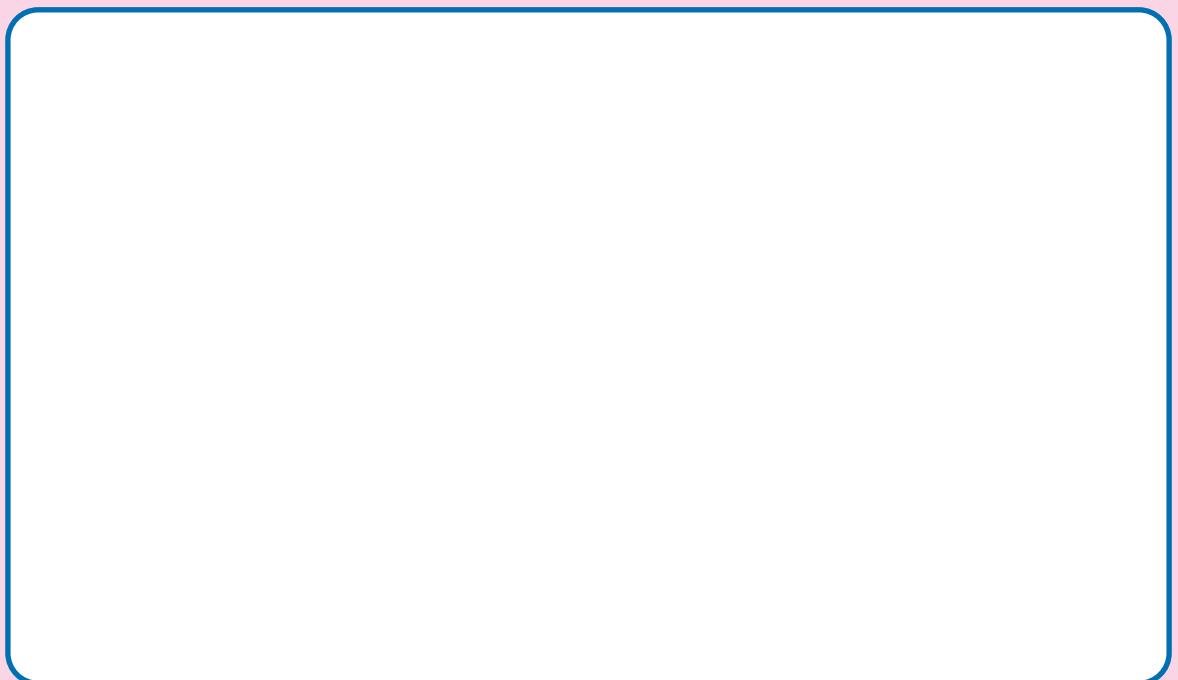
6 50% of a number is 41

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

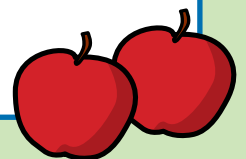
Rosie has a large bag of apples.

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?

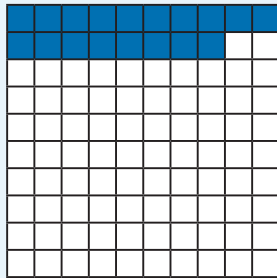


Answers



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% | $\frac{3}{100}$ | 0.03 |
| 40% | $\frac{2}{5}$ | 0.4 |
| 27% | $\frac{27}{100}$ | 0.27 |

9 63 apples