

Lesson 2:

Understanding percentages

Warm up

Match the decimals below to their expanded forms.

0.68

$8 + 0.06$

6.08

$6 + 0.8$

8.6

$0.6 + 0.08$

8.06

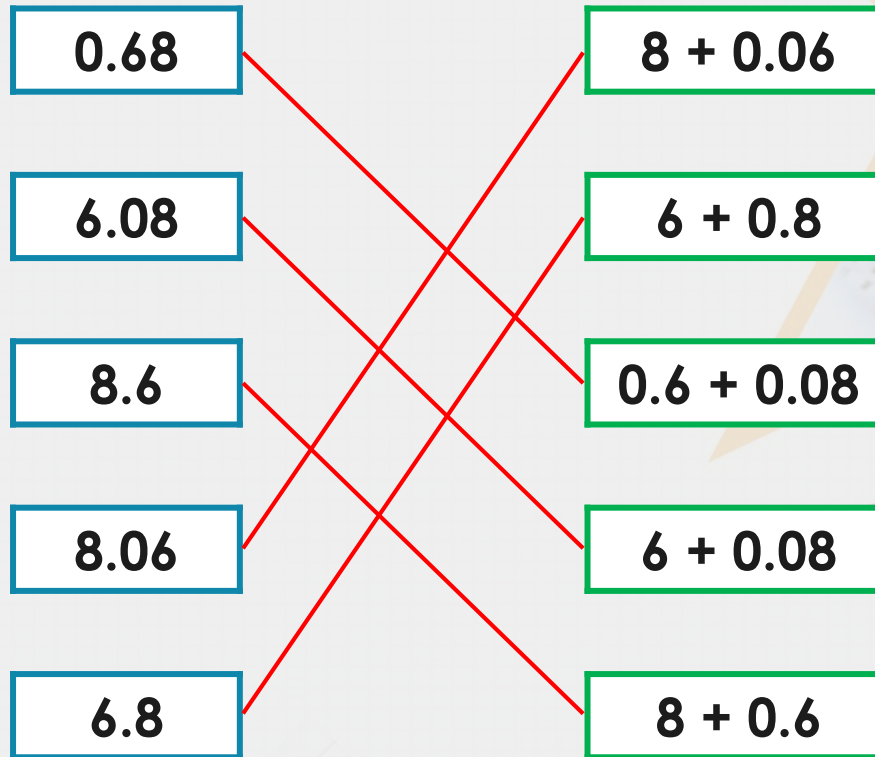
$6 + 0.08$

6.8

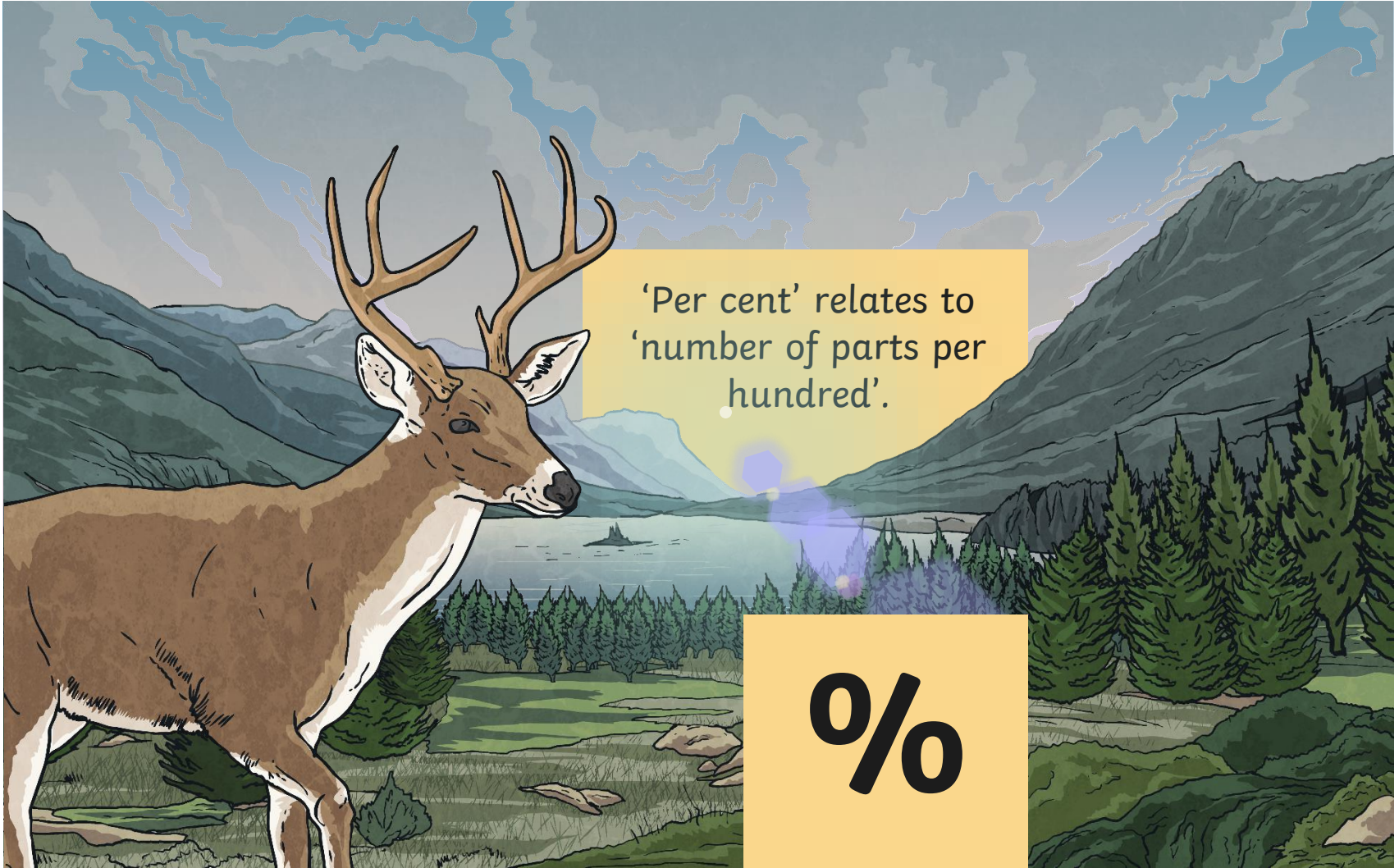
$8 + 0.6$

Were you correct?

Match the decimals below to their expanded forms.



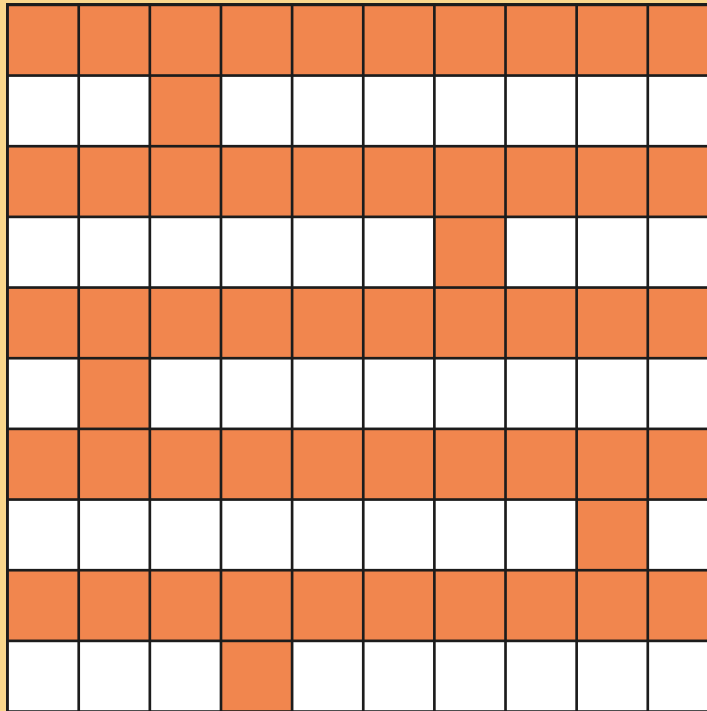
Tell Me



Percentage Diagrams

Here is a 10 by 10 grid made of 100 small, equal squares.
What is the number of parts per hundred shaded?
What **percentage** does each square represent?

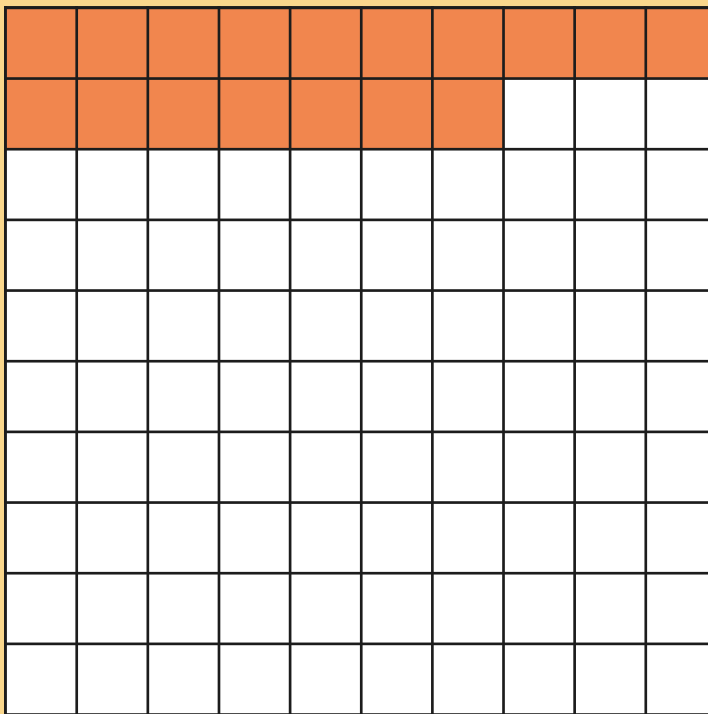
20 parts per hundred
is shaded = 20%



Percentage Diagrams

How many squares should be shaded in to show:

17%

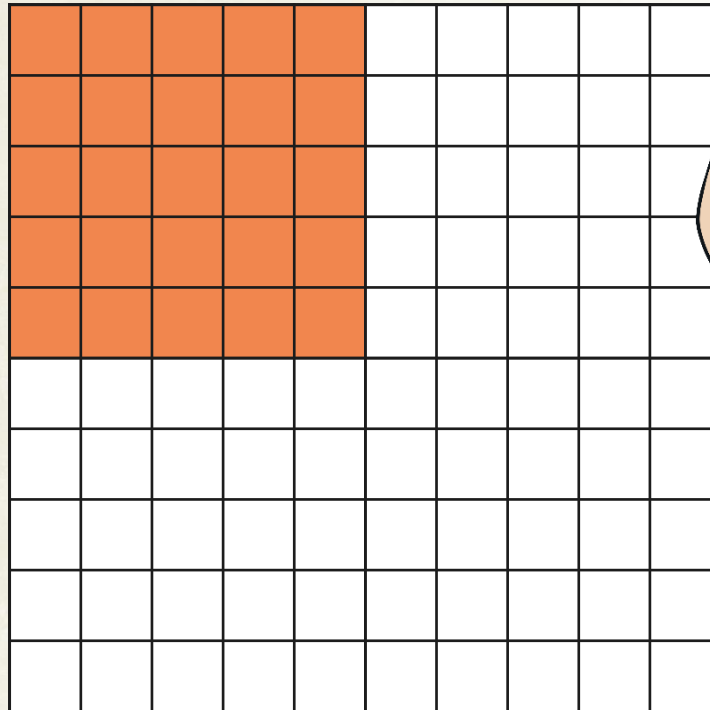


Percentage Diagrams

Here is a grid made of four equal squares. What **percentage** of the grid does each square represent?

There are **50** parts per hundred shaded, which is equivalent to **50%**

25%



What percentage is coloured in?



Lets use our fractions to help us.

We can see this represents $\frac{4}{5}$

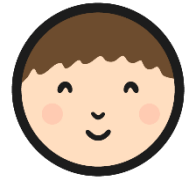
To help us work out as out of a hundred. We use our finding fractions of amounts skill.

So we DIVIDE 100 by the DENOMINATOR= $100 \div 5 = 20$

Then MULITPLY the ANSWER by the NUMERATOR= $20 \times 4 = 80$

So it equals 80 %

Your turn

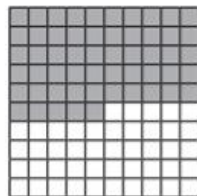
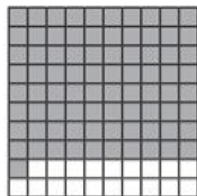
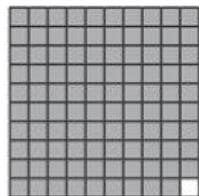
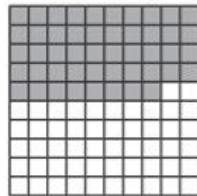
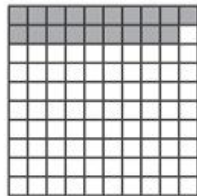
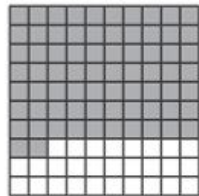


Can you find what percentage of each shape is shaded?

Visual Representations of Percentages

Aim: I can recognise a percentage relates to 'number of parts per hundred'.

Write the percentage represented by the following:



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