

23.03.21
pre teach

Percentage is out of 100

1% (percent) = 1 out of 100

10% (percent) = 10 out of 100

25% (percent) = 25 out of 100

50% (percent) = 50 out of 100

100% (percent) = 100 out of 100

23.03.21

L.O: To identify and know the %
symbol

On your whiteboards

$$\begin{array}{r} 1 \quad 8017 \\ - 5004 \\ \hline 3013 \end{array}$$

$$\begin{array}{r} 2 \quad 6276 \\ - 3153 \\ \hline 3123 \end{array}$$

$$\begin{array}{r} 3 \quad 8068 \\ - 2044 \\ \hline 6024 \end{array}$$

$$\begin{array}{r} 4 \quad 9894 \\ - 8452 \\ \hline 1442 \end{array}$$

$$\begin{array}{r} 5 \quad 6558 \\ - 4341 \\ \hline 2217 \end{array}$$

$$\begin{array}{r} 6 \quad 8302 \\ - 5301 \\ \hline 3001 \end{array}$$

$$\begin{array}{r} 7 \quad 8969 \\ - 4823 \\ \hline 4146 \end{array}$$

$$\begin{array}{r} 8 \quad 8568 \\ - 3522 \\ \hline 5046 \end{array}$$

$$\begin{array}{r} 9 \quad 6482 \\ - 4151 \\ \hline \\ \hline \end{array}$$

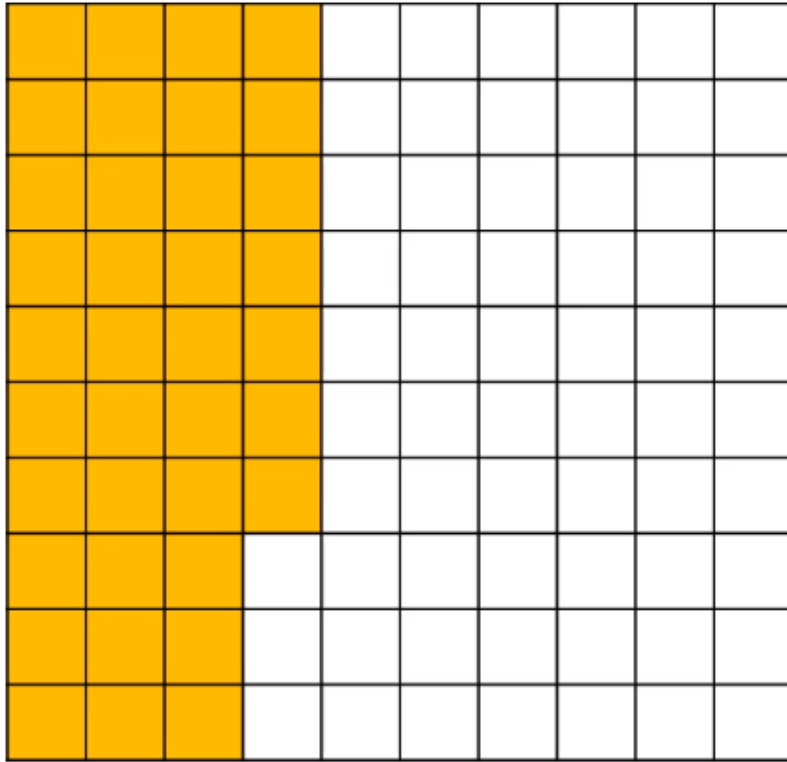
$$\begin{array}{r} 10 \quad 6143 \\ - 3022 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11 \quad 9663 \\ - 6241 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12 \quad 6527 \\ - 3204 \\ \hline \\ \hline \end{array}$$

What is Percentage?

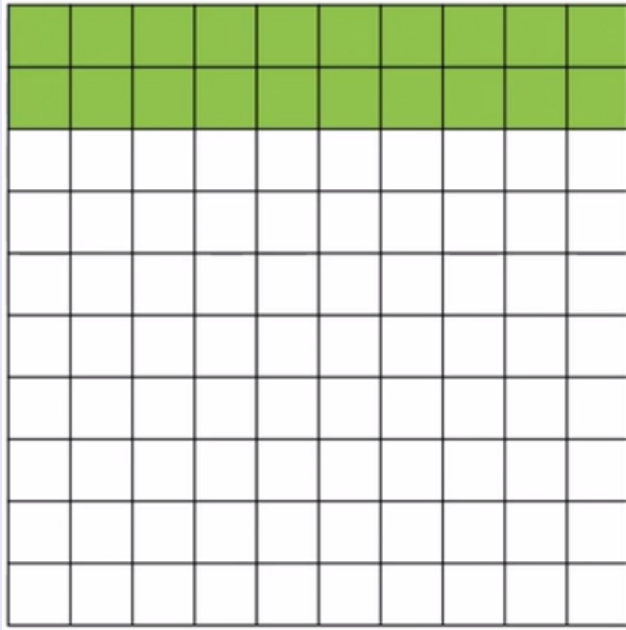
Percentage means 'out of one hundred'. So, the morpheme 'per' means 'out of' and 'cent' means 'one hundred'.



I do

There are 40
parts out of 100
are shaded.

This is 40%

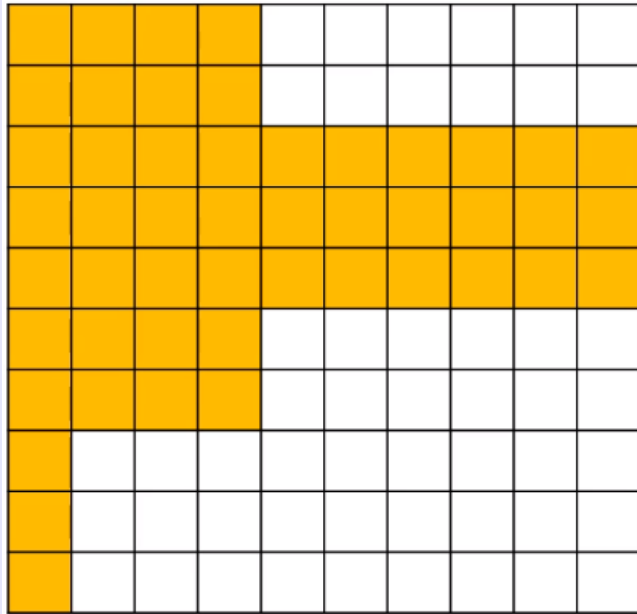


We do

There are 20 parts out of 100 are shaded.

This is 20

If 20% is shaded then 80% not shaded.



We do

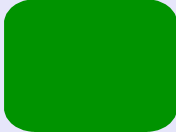
There are 60 parts out of 100 are shaded.

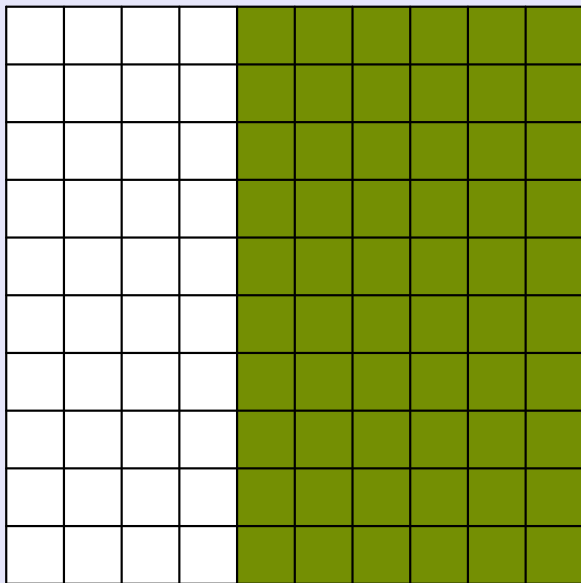
So, 60% is shaded and 40% is not shaded.

Is 6% of this bar model shaded?

I do



In the above bar model 6 out of 10 boxes are shaded = $\frac{6}{10}$ = 



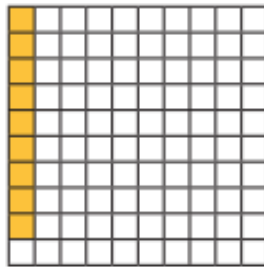
$$\frac{6}{10} = \frac{60}{100} = 60 \text{ out of } 100 = 60\%$$

Complete the sentence for each diagram.

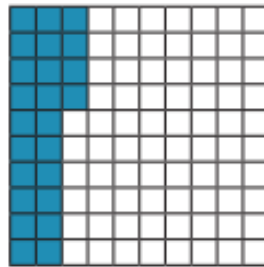
There are parts out of a hundred shaded.

This is %.

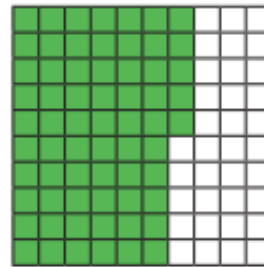
a)



b)



c)



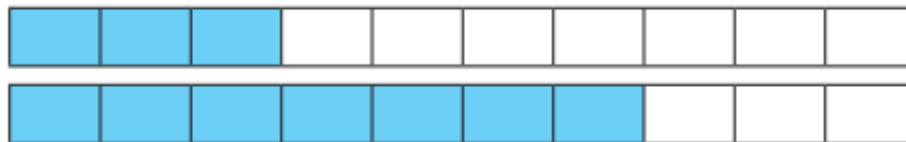
You Do

a) Is 1% of this bar model shaded?



Explain your reasoning.

b) What percentage of each bar model is shaded?

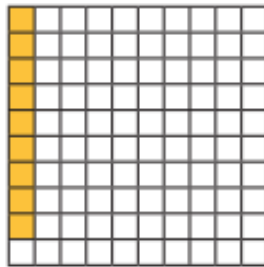


Complete the sentence for each diagram.

There are parts out of a hundred shaded.

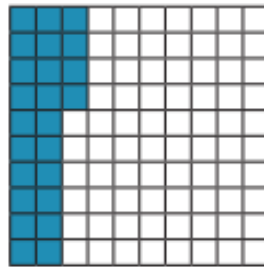
This is %.

a)



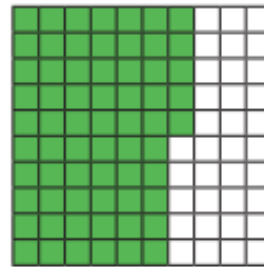
9%

b)



24%

c)



65%

You Do

a) Is 1% of this bar model shaded?



Explain your reasoning.

b) What percentage of each bar model is shaded?



10%



30%

70%

Passengers are boarding a plane.

The plane has 100 seats.

- a) 10% of the seats are already full.

How many passengers are already on the plane?

- b) 15% of the seats have not been booked.

How many seats have been booked?

- c) How many passengers still need to board the plane?

Shade 15% of a hundred square red.

Shade 32% of the hundred square blue.

What percentage of the hundred square is **not** shaded?

Dexter has £1 to spend.

He buys some stickers.

I got 35p change.



What percentage of his money did Dexter spend?

You Do

Passengers are boarding a plane.

The plane has 100 seats.

- a) 10% of the seats are already full.

How many passengers are already on the plane?

- b) 15% of the seats have not been booked.**

How many seats have been booked?

- c) How many passengers still need to board the plane?

Dexter has £1 to spend.

He buys some stickers.



What percentage of his money did Dexter spend?

Aisha and Brett have been selling tickets for the school play.

There are 100 seats available.

- On Monday they sold 34% of the tickets.
- On Tuesday they sold 42 tickets.
- By the end of Wednesday, 95% of the tickets had been sold.

How many tickets did they sell on Wednesday?

You Do

Passengers are boarding a plane.

The plane has 100 seats.

- a) 10% of the seats are already full.

How many passengers are already on the plane?

- b) 15% of the seats have not been booked.

How many seats have been booked?

- c) How many passengers still need to board the plane?

10 passengers

85 seats

75 passengers

You Do

Dexter has £1 to spend.

He buys some stickers.

I got 35p change.



65%

What percentage of his money did Dexter spend?

Aisha and Brett have been selling tickets for the school play.

There are 100 seats available.

- On Monday they sold 34% of the tickets.
- On Tuesday they sold 42 tickets.
- By the end of Wednesday, 95% of the tickets had been sold.

How many tickets did they sell on Wednesday?

Total tickets sold on
Monday and Tuesday =
 $34 + 42 = 76$ tickets

Tickets sold on
Wednesday = $95 - 76$
= 19 tickets

[illegible]