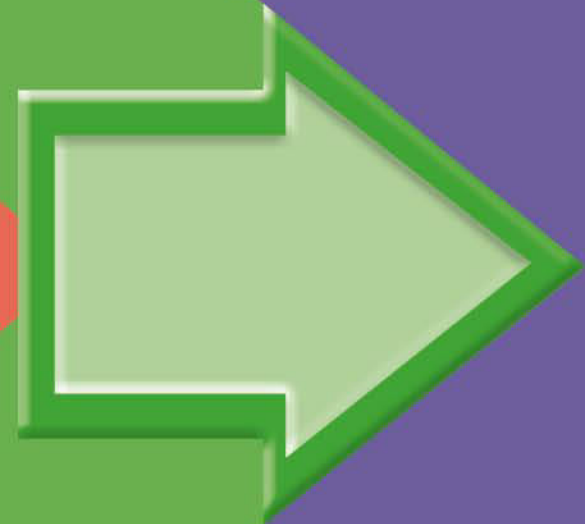


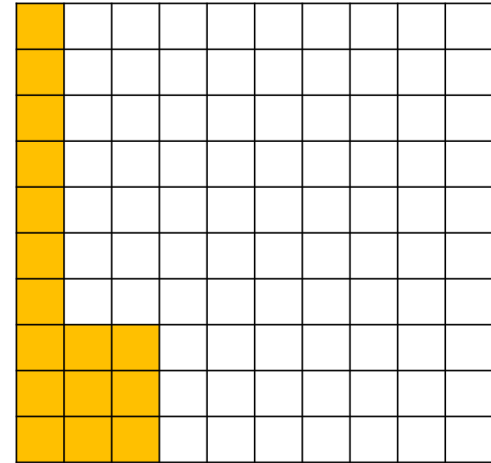
# EQUIVALENT FDP



**GET READY**



1a) What percentage of the hundred square is shaded?



b) What fraction on the hundred square is shaded?



2a) What percentage of the bar model is shaded?

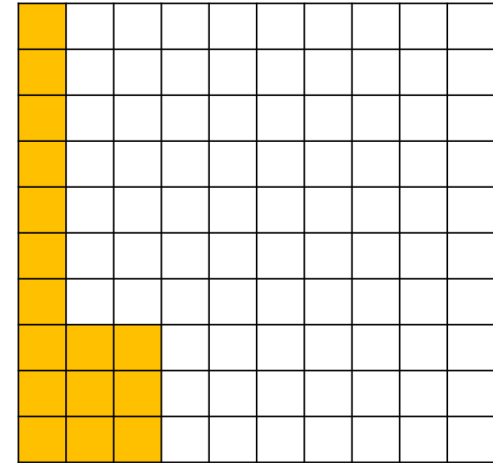
b) What fraction of the bar model is shaded?

1a) What percentage of the hundred square is shaded?

16 %

b) What fraction on the hundred square is shaded?

$$\frac{16}{100} \quad \frac{4}{25}$$



10%

2a) What percentage of the bar model is shaded?

85 %

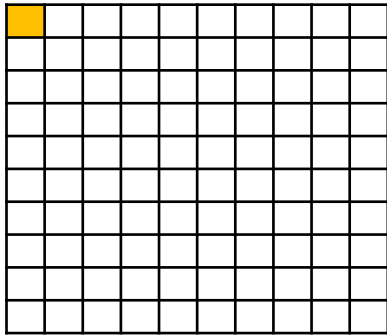
b) What fraction of the bar model is shaded?

$$\frac{17}{20}$$

LET'S LEARN

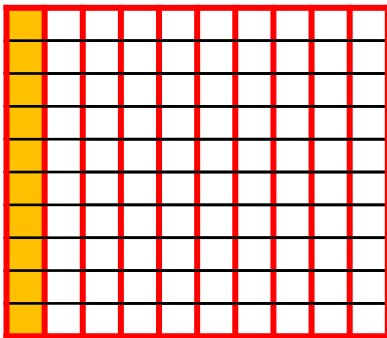


Let's recap...



= one hundredth

$$= \frac{1}{100} = 0.01 \quad 1\%$$



$$= \frac{10}{100} = \text{ten hundredths}$$

$$= \frac{1}{10} = \text{one tenth} = 0.1$$

÷ 10

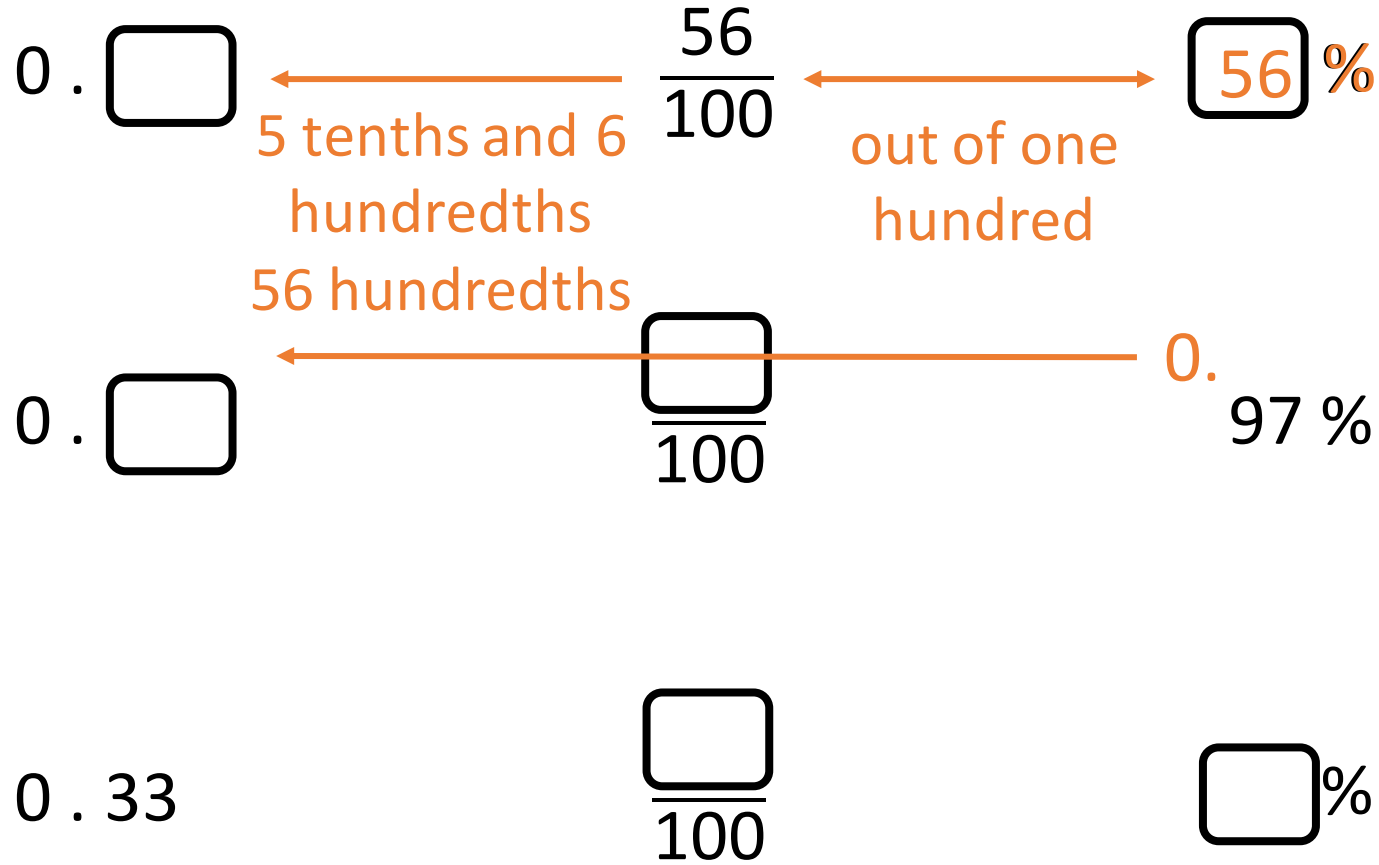
10%

percentage



'out of' 'one hundred'

Have a think





Have a think

0.

$$\frac{4}{5} = \frac{80}{100}$$

Diagram showing the conversion of  $\frac{4}{5}$  to  $\frac{80}{100}$ . A blue arrow labeled  $\times 20$  points from 4 to 80, and another blue arrow labeled  $\times 20$  points from 5 to 100.

%

0.75

$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{3}{4}$$

Diagram showing the conversion of  $\frac{3}{4}$  to a fraction with a denominator of 100. Two blue arrows labeled  $\div 25$  point from 3 to the top box and from 4 to the bottom box.

%

0.

$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{3}{10}$$

Diagram showing the conversion of  $\frac{3}{10}$  to a fraction with a denominator of 100. Two blue arrows labeled  $\div 10$  point from 3 to the top box and from 10 to the bottom box.

30 %

Convert 9 % and 0.3 into fractions, decimals and percentages.

Have a think



9 %

0.3

$$9 \% = \frac{9}{100}$$

$$\frac{9}{100} = 0.09$$

$$0.3 = \frac{3}{10} = \frac{30}{100}$$

$$\frac{30}{100} = 30 \%$$

**YOUR TURN**

Have a go at questions  
1 - 4 on the worksheet

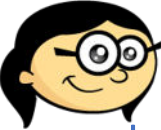





Four children were completing some maths work.

Put the children in order of who got the most correct.

Have a think



	F	D	P	
 2 <sup>nd</sup>	$\frac{17}{20}$ correct	$\frac{85}{100}$	0.85	85 %
 3 <sup>rd</sup>	84 % correct	$\frac{84}{100}$	0.84	84 %
 4 <sup>th</sup>	0.8 correct	$\frac{80}{100}$	0.80	80 %
 1 <sup>st</sup>	12 % incorrect 88 % correct	$\frac{88}{100}$	0.88	88 %


I'm thinking of a fraction –  
can you guess what it is?



- It is less than 73 %
- It is greater than 0.4
- It has a denominator of 5

	$\frac{1}{5}$	$\frac{2}{5}$	$\frac{3}{5}$	$\frac{4}{5}$	<del><math>\frac{5}{5}</math></del>
$\times 20$	$\frac{20}{100}$	$\frac{40}{100}$	$\frac{60}{100}$	$\frac{80}{100}$	

20%	40%	60%	<del>80%</del>
<del>0.20</del>	<del>0.4</del>	0.6	

Have a think 

**YOUR TURN**

Have a go at the rest of  
the questions on the  
worksheet

