Simple fraction, decimal and percentage equivalents

Mr Chan
Maths

Simple fraction, decimal and percentage equivalents

1. For each diagram shade the fraction stated.

a) $\frac{1}{4}$



b) 0.25



c) 25%



d) Explain why $\frac{1}{4} = 0.25 = 25\%$

2. Complete the table.

Decimal	Fraction	Percentage
	$\frac{1}{4}$	
0.5		
		20%
0.75		
	$\frac{1}{10}$	

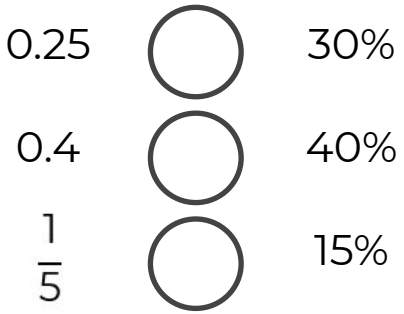
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3. Which of these number cards are equivalent to 60%?

$\frac{60}{100}$ $\frac{6}{100}$ 0.06 $\frac{3}{5}$ $\frac{3}{50}$ 0.6 $\frac{6}{10}$

4. Amy thinks that $\frac{1}{3}$ is equivalent to 30%. Show that Amy is incorrect.

5. Use <, > or = to complete the statements



6. Simon says that 0.6 is less that 15% because 6 is less than 15.
Explain why Simon is wrong.

Answers



Simple fraction, decimal and percentage equivalents

1. For each diagram shade the fraction stated.

a) $\frac{1}{4}$



b) 0.25



c) 25%



d) Explain why $\frac{1}{4} = 0.25 = 25\%$

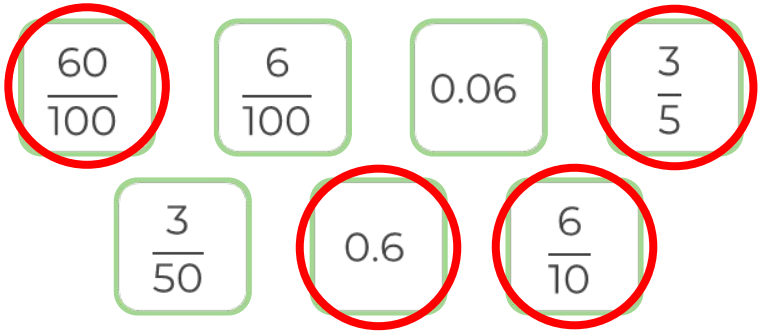
Each diagram shows that the same amount is shaded in.

2. Complete the table.

Decimal	Fraction	Percentage
0.25	$\frac{1}{4}$	25%
0.5	$\frac{1}{2}$	50%
0.2	$\frac{1}{5}$	20%
0.75	$\frac{3}{4}$	75%
0.1	$\frac{1}{10}$	10%

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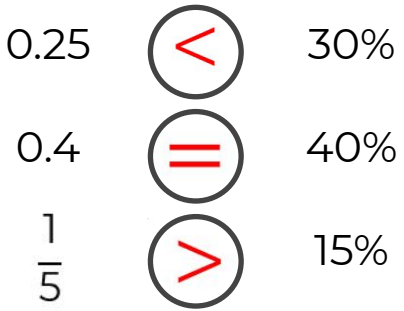
3. Which of these number cards are equivalent to 60%?



4. Amy thinks that $\frac{1}{3}$ is equivalent to 30%. Show that Amy is incorrect.

$30\% = \frac{30}{100} = \frac{3}{10}$ (not $\frac{1}{3}$)

5. Use <, > or = to complete the statements



6. Simon says that 0.6 is less that 15% because 6 is less than 15.
Explain why Simon is wrong.

$0.6 = \frac{6}{10} = 60\%$ so 0.6 is greater than 15%