


Simple fraction, decimal and percentage equivalents



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1. For each diagram shade the fraction stated.

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

b) 0.25 

c) 25% 

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

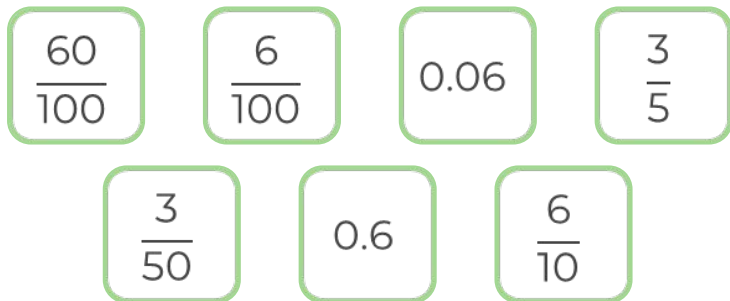
2. Complete the table.

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



Simple fraction, decimal and percentage equivalents

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.

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

0.25	<input type="text"/>	30%
0.4	<input type="text"/>	4%
$\frac{1}{5}$	<input type="text"/>	15%

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

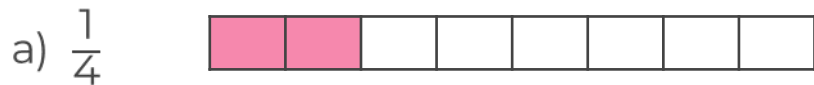


Answers



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1. For each diagram shade the fraction stated.



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

Each diagram shows that the same amount is shaded in.

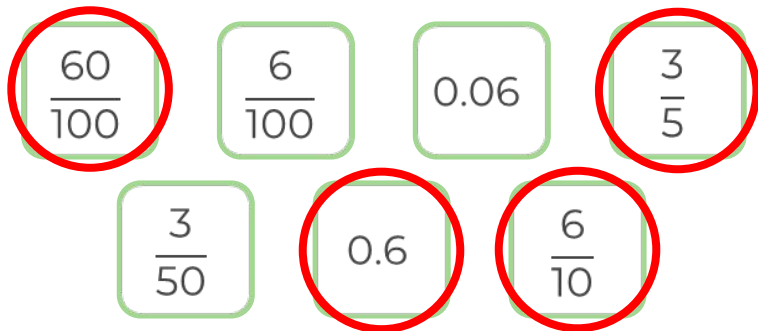
2. Complete the table.

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.

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

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

0.25	$<$	30%
0.4	$=$	4%
$\frac{1}{5}$	$>$	15%

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

Explain why Simon is wrong.

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

