





- $\frac{3}{10}$  green
- 0.03 red
- 13% blue
- 0.3 yellow

percentage =







Fraction	Decimal	Percentage
	0.21	
		12%
<u>2</u> 10		
	0.4	
	0.44	
		4%
<u>3</u> 4		
	0.99	

5

Amir was asked to complete the statement using <, > or =.



What mistake has Amir made?



## **Fractions to decimals (2)**

1

Fractions can be expressed as divisions.

For example, 
$$\frac{1}{2} = 1 \div 2$$

Write the fractions as divisions.





**b)**  $\frac{2}{3} =$ ÷







2

Use place value counters to find the decimal equivalent of  $\frac{2}{5}$ You can draw on the place value chart to help you with exchanging.

$$\frac{2}{5} = 2 \div 5 =$$

Ones	Tenths

3

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Fractions can be converted to decimals by using the short division method.

For example, 
$$\frac{1}{8} = 1 \div 8$$



Use the short division method to find the decimal equivalent of the fractions.











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I converted $\frac{1}{2}$ to a decimal and got the	
unswer 2	
s made.	
, it is smaller than 0.5 but greater	
king of?	
wers? Talk to a partner.	$\bigcirc$
find the decimal equivalent of $\frac{1}{3}$	
	$\bigcirc$





a) Shade the hundred squares to represent the fractions.







%

%























kg

kg

l mark

l mark

The percentage bar chart shows the colour of counters in a		8	Complete the table			
box.			Percentage	Fraction	Decimal	
Blue Yellow Red			50%	$\frac{1}{2}$	0.5	
0%. 100% What percentage of the counters in the box are blue?			7%.	7 100		
				<u> </u> <u>5</u>	0.2	
What percentage of the counters in the box are yellow?			57%		0.57	2 marks
What percentage of the counters in the box are red?	3 marks	9	_eona has a large l There are 180 appl	bag of apples. es in the bag.		2 marks
50% of a number is 32 What is the number?		: : 	She uses <del>y</del> of the o She uses 20% of th How many apples o	apples to make some j ne apples to make som nre left?	uice. le pies.	
10% of a number is 7.5 What is the number?	2 marks					
Max has £800 in the bank.					apples	2 marks
He spends 3% of his money on a new computer game.		С	ircle how conf	ident you feel wi	th percentages.	
How much money does he spend on the computer game?			I 2	З Ч	5	
<u> </u>	2 marks		Not confident		Very confident	





3

Shade 15% of the hundred square red. Shade 32% of the hundred square blue.

		_

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

Complete the sentence for each diagram.



1











parts out of a





Percentage
82%















