

L.O. To relate fractions to decimal equivalents.

Please note: 'a decimal fraction' is another name used for 'a decimal'.

Please READ below before tackling the task!

Remember the decimal point follows the units column and comes before the tenths column.

Count the beads in each place value column.....

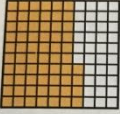
0.427

Think about the value of each of these decimal place value columns.

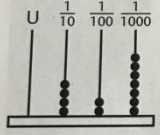
DECIMAL FRACTIONS

TARGET
To recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.

Examples



$\frac{64}{100} = 0.64$



$\frac{427}{1000} = 0.427$

Each digit in a number is 10 times greater than the digit to the right. This applies to decimal fractions as well as to whole numbers.

	T	U	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
30 =	3	0	0		
3 =	3	0			
$\frac{3}{10}$ =	0	3			
$\frac{3}{100}$ =	0	0	3		
$\frac{3}{1000}$ =	0	0	0	3	

There are 64 squares shaded in out of 100, so the fraction shaded would be written as 64/100. The equivalent decimal fraction would be 64 divided by 100 = 0.64

I've tried to provide the first few answers to each part so as you are clear on how to present your answers. Please do as much of each section as you can over the week - you don't have to complete all questions.

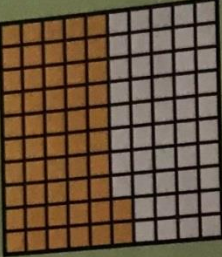
Please see the attached answers to then self-mark.




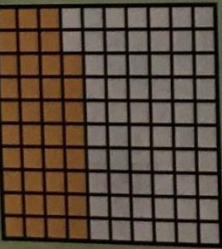
Remember: to create a fraction.....


1. count the number of parts shaded $\frac{52}{100} = 0.52$
count the number of parts there are altogether

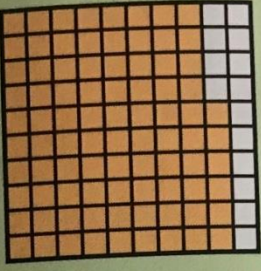
A
Express the shaded part of each shape as a fraction and as a decimal fraction.

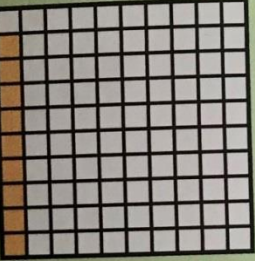
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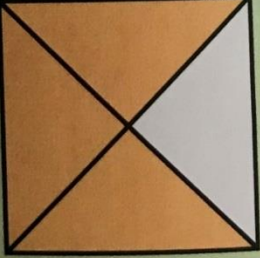
2 

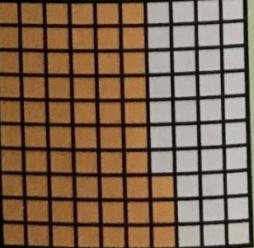
3 

4 

5 

6 

7 

8 

Answers:

Section A

1. $\frac{52}{100} = 52 \div 100 = 0.52$

2. $\frac{7}{10} = 7 \div 10 = 0.7$

3. $\frac{28}{100} = 28 \div 100 = 0.28$

4. $\frac{1}{2} =$ Try to find an equivalent fraction $\frac{50}{100} = 0.50$
that has a denominator of 100

5. $\frac{86}{100} = 86 \div 100 = 0.86$

6. $\frac{9}{100} = 9 \div 100 = 0.09$

7. $\frac{3}{4} =$ Try to find an equivalent fraction $\frac{75}{100} = 0.75$
that has a denominator of 100

8. $\frac{63}{100} = 0.63$