

## 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.....

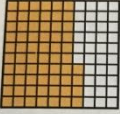
0.427

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

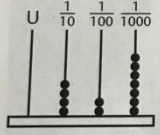
**DECIMAL FRACTIONS**

**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  $\frac{64}{100}$ . 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.



Think about the place value columns each digit is in. (Please use the attached decimal place value chart to help you.)

9. 2 hundredths

10. 5 ones

11. 9 tenths

Give the value of the underlined figure in each of these numbers.

9 3.42

10 15.31

11 31.97

12 6.05

13 22.16

14 48.7

15 4.53

16 19.24

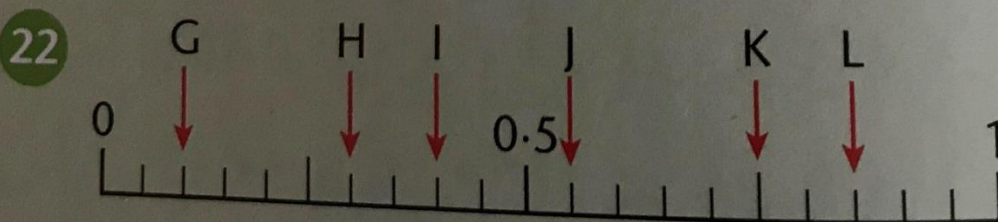
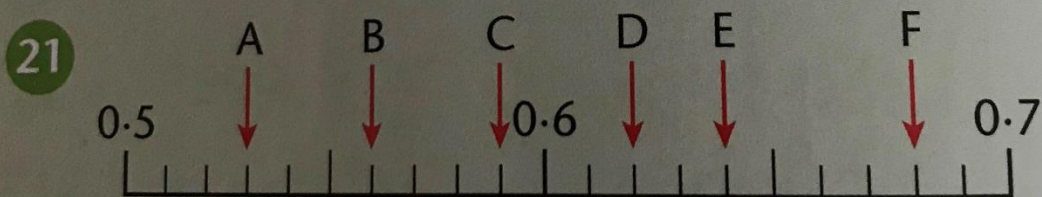
17 60.65

18 57.89

19 8.01

20 32.47

Write each number shown by the arrows as a decimal fraction.



**Answers:**

9. 2 hundredths

10. 5 ones

11. 9 tenths

12. 5 hundredths

13. 2 tens

14. 7 tenths

15. 3 hundredths

16. 9 ones

17. 6 tenths

18. 9 hundredths

19. 8 ones

20. 4 tenths

21. A. 0.53 B. 0.56

C. 0.59 D. 0.62

E. 0.64 F. 0.68

G. 0.10 H. 0.30

I. 0.40 J. 0.55

K. 0.75 L. 0.85