Maths
W.b. 8ᵗʰ February 2021

Year 5 Home Learning

Wibsey Primary School

Monday 8ᵗʰ February

L.O. I can multiply proper fractions by whole numbers, supported by materials and diagrams
BLP: Meta-learning 3, Distilling 4

Fluency

1) $\dfrac{1}{3} \times 5 = \dfrac{}{3}$

2) $\dfrac{1}{5}$ of $7 = \dfrac{}{5}$

3) $8 \times \dfrac{1}{7} = \dfrac{}{7}$

4) $\dfrac{2}{3}$ of $4 = \dfrac{}{3}$

5) $\dfrac{1}{6} \times 11 = \dfrac{}{6}$

6) $\dfrac{3}{4} \times 3 = \dfrac{}{4}$

7) $2 \times \dfrac{4}{5} = \dfrac{}{}$

8) $4 \times \dfrac{2}{9} = \dfrac{}{}$

9) $9 \times \dfrac{1}{2} = \dfrac{}{}$

10) $\dfrac{1}{8}$ of $15 = \dfrac{}{}$

11) $\dfrac{2}{7} \times 6 = \dfrac{}{}$

12) $8 \times \dfrac{3}{7} = \dfrac{}{}$

Fluency 2

$2\dfrac{1}{5} \times 3 = \boxed{}$ $4\dfrac{2}{5} \times 1 = \boxed{}$ $6 \times 1\dfrac{3}{4} = \boxed{}$

$2 \times 8\dfrac{5}{6} = \boxed{}$ $7 \times 9\dfrac{3}{7} = \boxed{}$ $3\dfrac{4}{5} \times 10 = \boxed{}$

$6\dfrac{3}{4} \times 8 = \boxed{}$ $6 \times 1\dfrac{1}{8} = \boxed{}$ $2\dfrac{4}{5} \times 3 = \boxed{}$

Problem Solving

- Mr Lee uses $\dfrac{1}{8}$ of a cup of washing powder when he does a wash. How many cups will he need to do 4 loads of washing?
- Jay works at a sandwich shop. He needs to make 7 turkey sandwiches. He uses $1\dfrac{1}{3}$ of a tomato per sandwich. How many tomatoes does he need?
- Five friends buy a pack of 12 cookies and want to share them equally. Each friend will get 1/5 of the cookies. How much will each friend get?

HOTS

Graham is serving pizzas at a party. Each person is given $\dfrac{3}{4}$ of a pizza. Graham has six pizzas.

How many people can he serve? Draw on the pizzas to show your thinking.

Write your answer as a multiplication sentence.

Monday 8th February – CHALLENGE QUESTIONS

Use the digit cards only once to complete these multiplications.

$$9 \quad 2 \quad 4 \quad 6 \quad 3$$

$$\square \times \frac{\square}{\square} = \frac{\square}{\square}$$

$$1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6$$

$$\square \times \frac{\square}{\square} = \frac{\square}{\square}$$

Whitney has calculated $4 \times \frac{3}{14}$

?

From the picture I can see that $4 \times \frac{3}{14} = \frac{12}{56}$

Do you agree?

Explain why.

Tuesday 9th February

Decimals and percentages pre-skills test

(A)
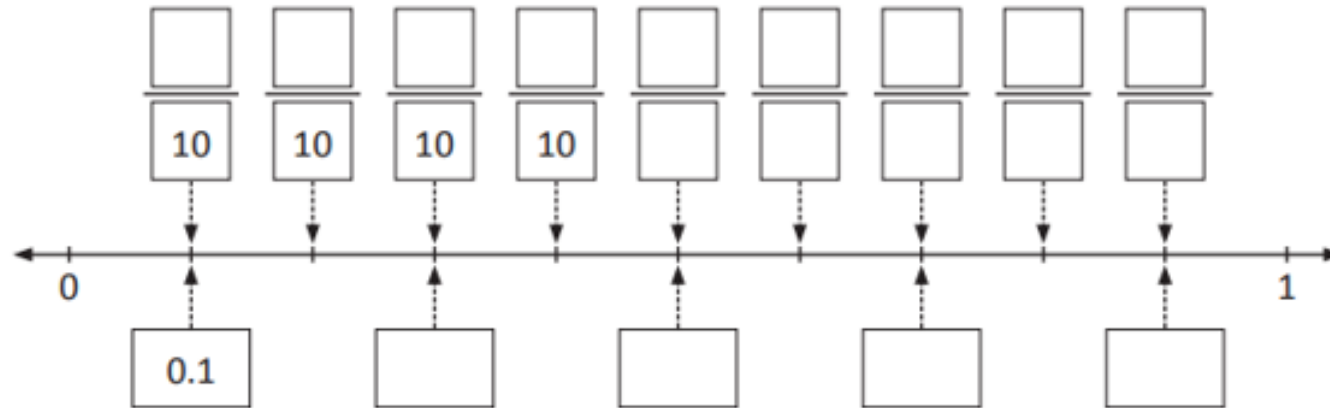
1.) Continue this sequence   3.4, 3.5, 3.6, __, ___, 3.9, __,

2.) $1 \div 10 =$

3.) Rewrite this sequence in ascending order.

4.) Complete.

A)   Write the fraction and the decimal for these shapes

845.7	849.3	874.9

10	10	10	10					

0   1

| 0.1 | | | | |

(B)

5.) Write the fraction and the decimal for this shape.

6.) Continue this sequence 3.25, 3.26, ___, ____, 3.29, ___,

7.) 0.1 ÷ 10 =

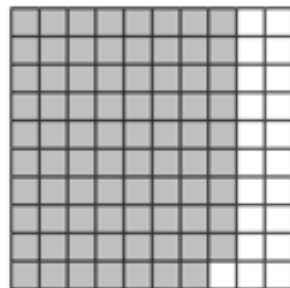8.) 1 ÷ 100 =

9.) What are the decimal equivalents to ¼, ½ and ¾ ?

10.) Which is the larger number   3.23, 3.32, 2.33 ?

11.) Place these numbers in ascending order – 7.43 , 7.33 , 7.44 , 7.12 , 8.01

(C)

12.) Write the decimal equivalents for : $\dfrac{71}{100}$, $\dfrac{6}{10}$, $\dfrac{5}{100}$, $\dfrac{788}{1000}$

13.) 83 ÷ 1000 =

14.) 32.42 + 45.1 =

15.) 85.74 – 3.21 =

16.) Round 3.7 to the nearest whole number.

17.) Round 13.84 to 1 decimal place.

18.) What does this symbol mean ' % ' ?

19.) What are the % equivalence to: $\dfrac{1}{2}$, $\dfrac{1}{4}$, $\dfrac{1}{5}$, $\dfrac{2}{5}$, $\dfrac{4}{5}$
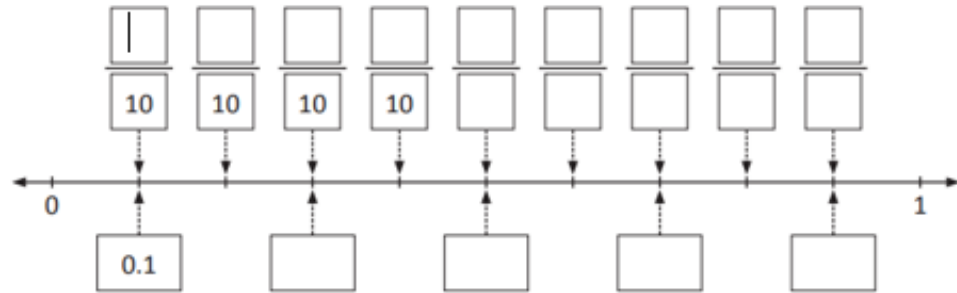
Wednesday 10th February

I know that tenths arise from dividing an object/quantity into ten equal parts.
BLP-Noticing – 3.
Fluency:

0.1

Fluency: Shade

$\frac{4}{10}$

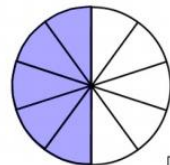Write the decimal equivalent.

0.5

Write the equivalent fraction.

0.7

Write the equivalent fraction.

Write the fraction and the decimals for these shapes.

Fluency: Re-write each row of numbers in ascending order and underline the tenth digit.

a	56.8	40.2	29.3
b	167.24	201.92	390.86
c	£507.42	£507.24	£507.02

Fluency: Re-write the sequence and record the next 4 numbers to continue the sequence.

d) 3.2, 3.3, 3.4

e) 19.9, 19.8, 19.7

f) 168.72, 168.62, 168.52

g) 202.99. 203.09, 203.19

h) 876.82, _____, _____, 876.52

Wednesday 10th February – CHALLENGE QUESTIONS

Who is correct?

Annie

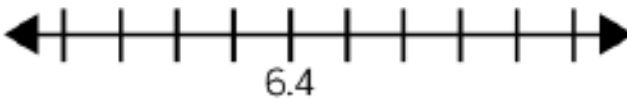1.2 is equivalent to 1 whole and 2 tenths.

1.2 is equivalent to 12 tenths.

Dexter

Explain why.

What could the start and end numbers on the number line be?

6.4

Explain your reasons.

six tens   six tenths

What is the same? What's different?
Show me.

Place the decimals on the number line.

2   4

2.7   2.3   1.9   2.5   2.9   3.2

Which order did you place your numbers on the number line?
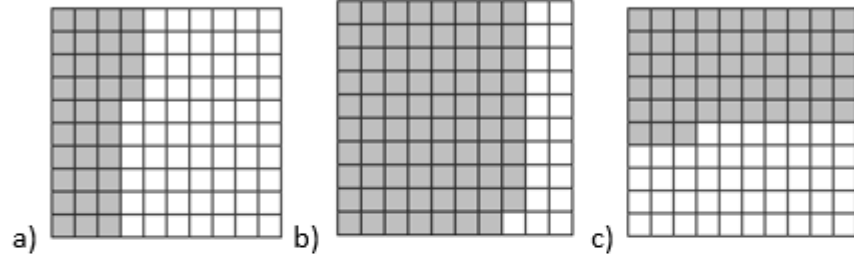
Thursday 11th February

I know that hundredths arise from dividing an object/quantity into ten equal parts.
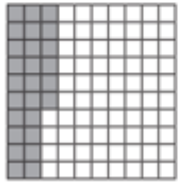
BLP-Noticing – 3.

Fluency: How many **hundredths** is represented in each picture? Record as fractions.

a) b) c)

HANDY HINT
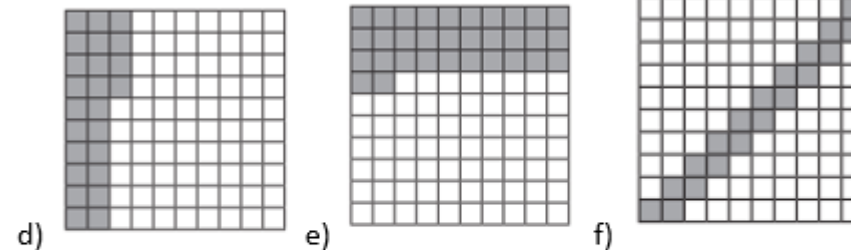
This diagram shows 26 hundredths shaded or $\frac{26}{100}$

Fractions can be written as decimals. As a decimal, this amount is written as:

Ones		Tenths	Hundredths
0	.	2	6

Fluency: Label each hundredth as a fraction and decimal number.

d) e) f)

Fluency: Solve the calculations. Use a place value grid if needed.

g) 89.6 ÷ 100 =   h) 70.4 ÷ 100 =   i) 92 ÷ 7 =

j) 53.89 ÷ 100 =   k) 60.42 ÷ 100 =   l) 89.05 ÷ 100 =

I can count up and down in hundredths.

BLP-Noticing – 3.

Fluency: Continue the sequence

2.45, 2.46, 2.47, ___, ___, ___

$\frac{25}{100}$, $\frac{26}{100}$, $\frac{27}{100}$ ___, ___, ___

4.32, 4.31, 4.30, ___, ___, ___

Fluency: Fill in the gaps to find the missing numbers.

0.15		0.35	
0.17			
			0.22

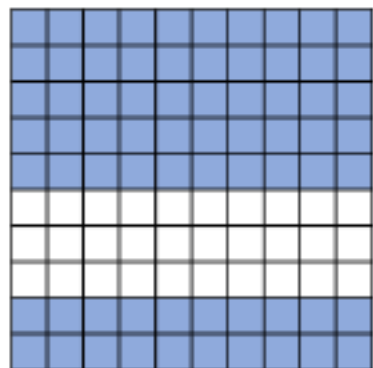# Thursday 11th February – CHALLENGE QUESTIONS

Dora says,

17 hundredths is the same as 1,700

Is she correct?
Explain your answer.

Alex and Eva have been asked to write the decimal shaded on the 100 grid.

Alex says the grid shows 0.70

Eva says the grid shows 0.7

Who do you agree with?

Explain your answer.

Complete the table.

Image	Words	Fraction	Decimals
	56 hundredths		
		$\frac{17}{100}$	
			0.2

Write the number as a fraction and as a decimal.

0.01 0.01 0.01 0.01

How else could you represent this number?

Friday 12th February

Complete the arithmetic sheet – Week 4. This is available on the website and Google Classroom.

The answers are on the final page – no peeking!