Weekly Maths Planning **Unit: Fractions, Decimals & Percentages** **Butterflies Y5/6** **w/b: 1.2.2021**

	Learning objective	Main teaching	Activity	Resources	Vocabulary
Monday	MONITOR-FREE MONDAY				
Tuesday	To find equivalent fraction decimal percentages	We have already looked at how to convert fractions to decimals, and how to convert fractions to percentages. Have a look at this game before starting today's work. https://mathsframe.co.uk/en/resources/resource/120/match_fractions_decimals_and_percentages#.UCdcd2MsCEY We know that ½ = 0.5 AND ½ = 50% . Therefore 0.5 = 50% Watch: https://vimeo.com/492474663	Scroll down to copy and complete today's questions. The key thing is the 'Explain your answer'. This should include a good explanation, examples and correct vocabulary e.g. numerator, denominator, equivalent, percent, whole, part etc Mark your answers.	Video Link Questions below	Fractions Decimals Percentages Equivalent Convert
Wednesday	To order fraction decimal percentages	See website for zoom link. Watch the vimeo and complete the questions as you work through. https://vimeo.com/497582311	Scroll down to copy and complete today's questions. **Challenge:** Have a go at this game. There are 3 sets of cards so make sure you persevere (don't switch it off because set A is too easy). Set C is a tough one! https://nrich.maths.org/1249	Link Questions below	Fraction Decimal Percentage Out of 100

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					Ascending descending
Thursday	To multiply decimals by integers	Watch: https://vimeo.com/490690764 SP - Watch loom video	**Scroll down to copy and complete Thursday Activity questions. Check your answers and correct any mistakes.** **CHALLENGE: https://nrich.maths.org/5632/note (see below for snip of the webpage)**	Video/Loom link Thursday activity questions	Decimals Multiplicand Multiply Integer
Friday	To divide decimals by integers	Play this game http://www.math-play.com/Decimals-Jeopardy/decimals-jeopardy-game_html5.html You might find some parts of it quite tricky but have a go and see if you can remember how to multiply decimals from yesterday's lesson. Watch the video to find out how to divide decimals by integers (whole numbers) https://vimeo.com/490691239	Download from the website the work called 'Y6 Friday dividing decimals'. Once you're finished, download the answers and see how you did. Correct any mistakes. **CHALLENGE: did you play this yesterday? If not, have a look now. https://nrich.maths.org/5632/note (see below for snip of the webpage)**	Y6 decimals worksheet Video link Game link	Decimals Divide Product Divisor Dividend Integer

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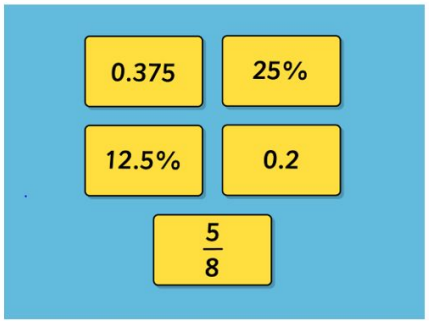
Tuesday Activity:

Which **two** children spend the same proportion of their pocket money on magazines?

Proportion of pocket money spent on magazines

name	proportion
Isla	$\frac{2}{5}$
Kira	0.2
Jess	50%
Amin	40%

Which value is the odd one out? Explain your answer.



Match these fractions, decimals and percentages.

$\frac{15}{100}$	0.05	5%
$\frac{1}{20}$	0.5	15%
$\frac{1}{5}$	0.2	50%
$\frac{1}{2}$	0.15	20%

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

14% > 0.4

What mistake has Amir made?

CHALLENGE:

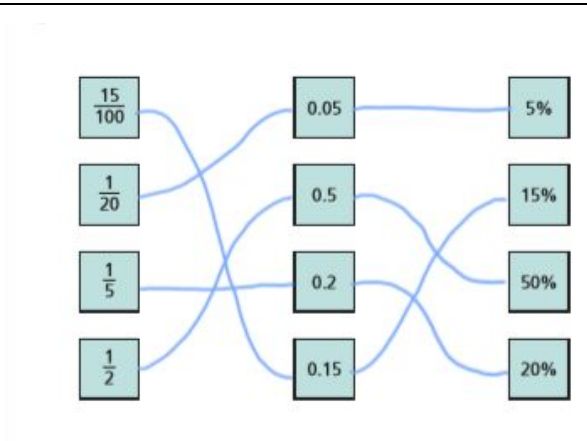
220 visitors to a theme park are asked to choose their favourite ride. **How many visitors** choose 'The Really Fast One' as their favourite?

Survey of favourite theme park rides

ride	proportion
Silent Adventure	0.1
Big Drop	25%
The Really Fast One	
Attack of the Rat	$\frac{1}{2}$

Tuesday Answers:

<table>
<tr>
<td>Isla and Amin</td>
<td>⅝ is an odd one out because all of the other values are less than 50%. ⅝ is greater than 50%.

You may have spotted something else!</td>
<td> 
</td>
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<tr>
<td>What mistake has Amir made?

He hasn't compared them in the same form. 0·4=40%
and 40% > 14% so 14% < 0·4</td>
<td colspan="2">CHALLENGE: 33</td>
</tr>
</table>

Weekly Maths Planning **Unit: Fractions, Decimals & Percentages** **Butterflies Y5/6** **w/b: 1.2.2021**

Wednesday Activity:

1) Write <, > or = to complete the statements:

a) 64% ◯ 0.46

b) 0.96 ◯ $\frac{97}{100}$

c) $\frac{3}{5}$ ◯ 35%

2) Write the fraction, decimals and percentages in ascending order

a) $\frac{7}{10}$ $\frac{13}{100}$ 21% 0.9

b) 0.6 61% $\frac{37}{50}$ 0.66

3)

Tommy scored $\frac{40}{50}$ on a Maths test.

Aisha got 78% of the test correct.

Aisha thinks she has done better because 78 is greater than 4

Do you agree with Aisha? _____

Explain your answer.

4)

Huan, Nijah and Scott each started with a 1-litre bottle of juice.

Huan drank 0.55 litres.

Nijah drank 59% of her juice.

Scott has $\frac{4}{10}$ of his juice left.

Challenge:

Create your own comparing and ordering fractions, decimals and percentages questions! Post these onto class dojo portfolios.

Don't forget to work out the answers too.

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Thursday Activity:

1)

a) 3.2 × 3 = ☐

Ones	Tenths
1 1 1	0.1 0.1
1 1 1	0.1 0.1
1 1 1	0.1 0.1

2) Solve the multiplication. Draw your answer.

12.2 × 3 = ☐

Tens	Ones	Tenths

Ava uses long multiplication to solve 3.72 x 3

3) Solve the following questions using long multiplication.

a. 4.86 x 4 =
b. 2.09 x 6 =

4)

Work out the multiplications.

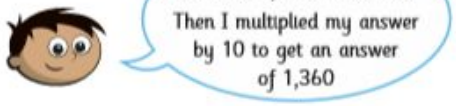
a) 7.2 × 2 = ☐ b) ☐ = 3.45 × 3

7.2 × 4 = ☐ ☐ = 34.5 × 3

14.4 × 4 = ☐ ☐ = 345 × 3

5)

Amir is solving 3.4 × 4



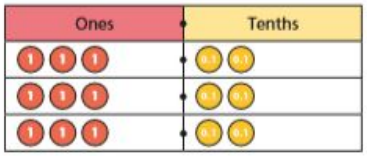
Do you agree with Amir? _____

Explain why.

Thursday Answers:

1)

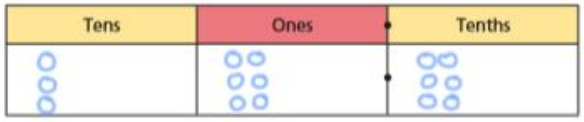
a) 3.2 × 3 = 9.6



2)

Solve the multiplication. Draw your answer.

12.2 × 3 = 36.6



3)

Use long multiplication to work out the calculations.

a)

	4	8	6	
×			4	
	0	2	4	
	3	2	0	
1	6	0	0	
1	9	4	4	

b)

	2	0	9	
×			6	
	0	5	4	
	0	0	0	
1	2	0	0	
1	2	5	4	

4)

Work out the multiplications.

a) 7.2 × 2 = 14.4

7.2 × 4 = 28.8

14.4 × 4 = 57.6

b) 10.35 = 3.45 × 3

103.5 = 34.5 × 3

1,035 = 345 × 3

5)

Do you agree with Amir? NO

Explain why.

34 is ten times bigger than 3.4 so he should have divided by 10 to get 13.6

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