Canonbur	v Home	Learning
Carloribor		LCGHIIIQ

Year 4 Maths

Steppingstone activity

LO: LO: To find equivalent frac

Success Criteria:

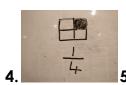
- 1. Look at your shape
- 2. Count the total sections (This is your denominator)
- 3. Count the shaded sections (This is your numerator)
- 4. Write your fraction
- 5. Make an equivalent fraction

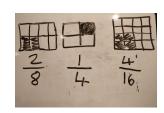
Model











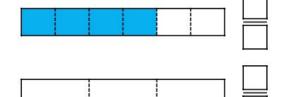
Now you try... Make equivalent fraction of

- 8/20 and 2/5

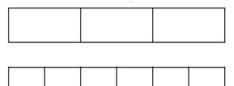
- 2. 1/3 and 4/12

the one below

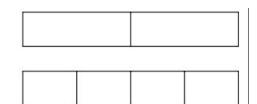
3. 4/6 and 2/3



1/3 and 2/6



5. 1/2 and 2/4





Numerator

Denominator

divided into?

How many equal parts do you have?

How many equal parts is the whole

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Year 4 Maths

Lesson 15

LO: To find equivalent fractions

Success Criteria:

- 1. Look at your shape
- 2. Count the total sections (This is your denominator)
- 3. Count the shaded sections (This is your numerator)
- 4. Write your fraction
- 5. Make an equivalent fraction

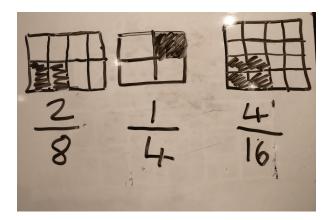
Model:

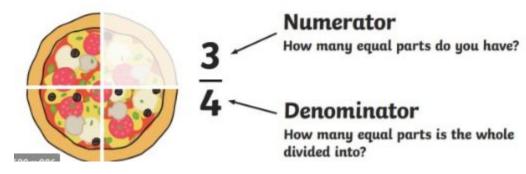














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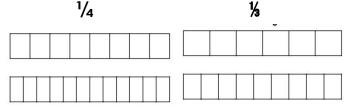
Year 4 Maths Main activity

Complete at least 2 columns, more if you can!



<u>Task 1</u> <u>Practice: Write the fraction, then make one that is equivalent.</u>

1.Complete the diagrams to how equal fractions



$$1/3 = 2/6 = 3/9$$

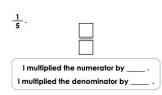
2.Circle the fractions which are equivalent to

<u>1/3</u>

<u>1/5</u>



3. Write a fraction which is equivalent to



Various answers, for example: 2/10, multiply by 2; 3/15 multiply by 3

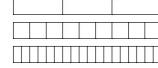
Task 2

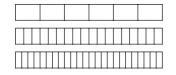
<u>Practice: Write the fraction, then make one that is equivalent.</u>

1.Complete the diagrams to how equal fractions

2/6

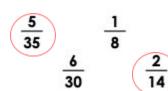


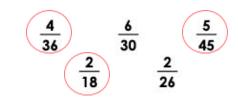




$$1/6 = 3/18 = 4/24$$

2.Circle the fractions which are equivalent to 4/28 3/27





3.Write two fractions which are equivalent to 12/20 2/10

١.	I multiplied the numerator by
(multiplied the denominator by
1	I divided the numerator by
П	

<u>Various answers, for example:</u> 3/5, divide by 4; 24/40 multiply by 2

<u>Various answers, for example:</u> 2/8, multiply by 2; 3/12 multiply by 3

I multiplied the numerator by
I multiplied the denominator by

I divided the numerator by
I divided the denominator by

I divided the denominator by

<u>Various answers, for example:</u> 3/5, divide by 4; 24/40 multiply by 2

Task 3

Reasoning

Explain your answers.

6a. Fraser is looking at the fractions below.

$$\frac{1}{4}=\frac{9}{12}$$

The fractions are equivalent because 8 has been added to the numerator and the denominator.



Fraser

9b. Phoebe is looking at the fractions below.

$$\frac{9}{12} = \frac{15}{20} = \frac{21}{28}$$

The fractions are all equal because they are equivalent to 6/8.



Phoebe

Is he correct? Convince me.

6a. Fraser is incorrect because the numerator and denominator need to be multiplied by 8 to be equivalent, rather than have 8 added.

Is she correct? Convince me.

9b. Phoebe is correct because all three fractions can be simplified to $\frac{3}{4}$ which is equivalent to $\frac{6}{8}$.



Task 4

Problem solving

1. Emile the Explorer is lost in the forest and needs some help to find her way through the maze. She can move horizontally or vertically to find her way home.

2 3	<u>12</u> 18	<u>8</u> 12	6 9	14 21	<u>48</u> 60	32 48	6 7	
4 5	24 30	36 45	16 20	4 6	18 27	16 24	10 15	Н
6 9	<u>32</u> 40	12 15	<u>40</u> 50	<u>28</u> 35	<u>8</u> 10	<u>44</u> 55	20 25	o m
5 9	<u>40</u> 42	<u>55</u> 66	<u>30</u> 36	11 15	15 18	<u>50</u> 60	35 42	е
5 6	<u>20</u> 24	14 18	10 12	<u>45</u> 54	<u>25</u> 30	<u>8</u> 10	3 4	

Explore the different routes that Ellie can take to find her way home, by following the path of equivalent fractions.

Various answers, one example shown on the maze above.