Canonbury Home Learning





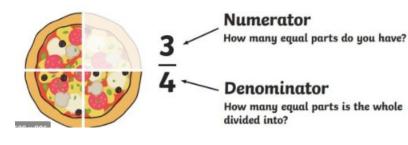
Year 4 Maths

Steppingstone activity

LO: To add and subtract fractions

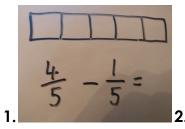
Success Criteria:

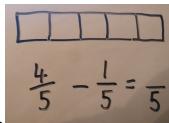
- 1. Look at your image
- 2. Count the total sections (This is your denominator)
- 3. Count the shaded sections (This is your numerator)
- 4. Subtract (cross out) the sections
- 5. Write your answer as a fraction

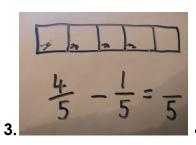


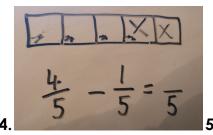
Model

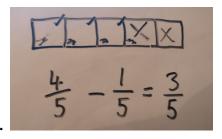
1.







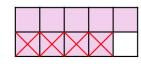


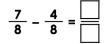


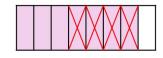
Now you try... Make equivalent fraction of the one below

2.

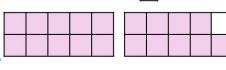
$$\frac{9}{10} - \frac{4}{10} = \boxed{}$$

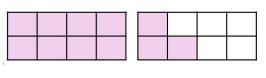






$$\frac{19}{10}-\frac{7}{10}=\boxed{}$$





5/10

3/8

12/10

6/8

$$5. \quad 7/8 - 2/8 = \frac{5}{8}$$

6.
$$8/11 - 4/11 = 4/11$$

7.
$$12/12 - 9/12 = 3/12$$

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Year 4 Maths

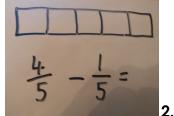
Lesson 17

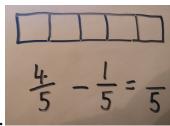
LO: To find equivalent fractions

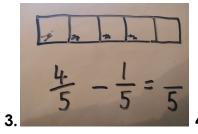
Success Criteria:

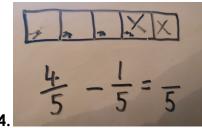
- 1. Look at your shape
- 2. Count the total sections (This is your denominator)
- 3. Count the shaded sections (This is your numerator)
- 4. Write your fraction
- 5. Make an equivalent fraction

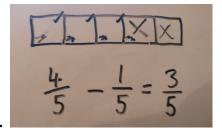
Model:

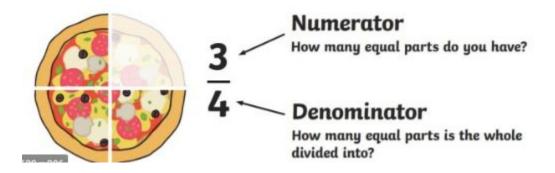














Year 4 Maths Main activity

Complete at least 2 columns, more if you can!	
<u>Task 1</u>	<u>Task 2</u>
Practice: Make the first fraction as an	Practice: Make the first fraction as an image
image then subtract the second	then subtract the second fraction from it.
<u>fraction from it.</u>	
	1.
1. $\frac{19}{10} - \frac{7}{10} = $ $11/10$ 2. $14/8 - 2/8 = 12/8$ 3. $15/9 - 2/9 = 13/9$ 4. $11/8 - 5/8 = 6/8$ 5. $17/11 - 8/11 = 9/11$ 6. $21/11 - 13/11 = 8/11$ 7. $11/6 - 9/6 = 2/6$ 8. $13/9 - 11/9 = 2/9$	$\frac{11}{8} - \frac{5}{8} = \frac{1}{8}$ 2. 14/20 - 6/10 = 1/10 or 2/20 3. 7/8 - 4/16 = 5/8 or 10/16 4. 16/18 - 3/9 = 10/18 or 5/9 5. 19/20 - 4/10 = 11/20 6. 14/8 - 3/4 = 8/8 or 1 or 4/4 7. 20/12 - 10/6 = 0 8. 15/9 - 20/18 = 10/18 or 5/9



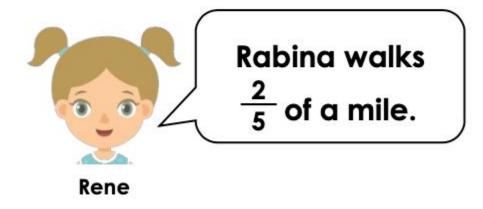
Task 3

Reasoning

Explain your answers.

4a. Rene walks $\frac{7}{5}$ miles to school. Rabina walks $\frac{4}{5}$ less than Rene.

7b. Sam's rat weighs $\frac{16}{11}$ of a kilogram. Lida's rat weighs $\frac{12}{22}$ less than Sam's.





Sam

Is she correct? Explain your answer.

Is he correct? Explain your answer.

4a. Rene is incorrect because

$$\frac{7}{5} - \frac{4}{5} = \frac{3}{5}$$

7b. Sam is incorrect because

$$\frac{16}{11} - \frac{12}{22} = \frac{20}{22}$$

(also accept simplified answers).



Task 4

Problem solving

2. Play the game with a partner following the rules below.

Dicey Fractions

Aim

To be the first player to reach a number less than one by subtracting fractions created by rolling the dice.

Rules

- 1. Each player starts with $\frac{48}{12}$.
- 2. Player One rolls two dice. They select which of the dice they want to be the numerator and the denominator. If 1 is rolled, the dice must be re-rolled.
- The player subtracts the fraction from their remaining total. The fraction being subtracted may be converted to an equivalent fraction.
- Play then passes to Player Two who repeats rules 2-4.
- The winner is the first person to reach a fraction less than one.

Various possible outcomes, for example:
$$\frac{48}{12} - \frac{6}{3} - \frac{4}{4} - \frac{2}{4} = \frac{1}{2}$$

Discuss how your strategy will change if you use dice with different a different number of sides. A dice with more sides would allow for a larger numerator with a smaller denominator so that the game could be won faster.