Canonbury Home Learning

Year 4 Maths

Steppingstone activity

Lesson 13

LO: To identify fractions **Success Criteria:**

1. Look at the representation
2. How many sections are there altogether? (Denominator)
3. How many sections are shaded? (Numerator)
4. Identify the fraction

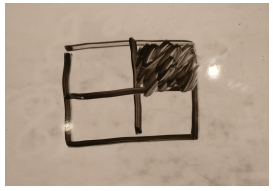
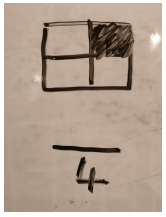
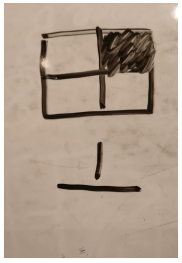
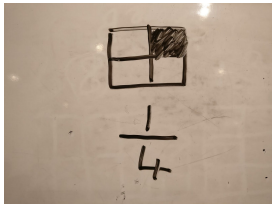
Remember: COUNT ALL THE SECTIONS FIRST, THEN THE SHADED ONES

$\frac{3}{4}$

Numerator
How many equal parts do you have?

Denominator
How many equal parts is the whole divided into?

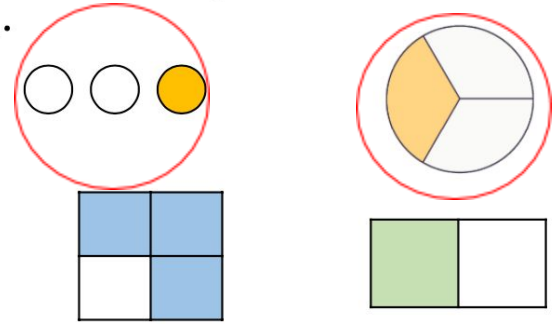
Model

1. 
2. 
3. 
4. 

Now you try… What shapes show the fraction?

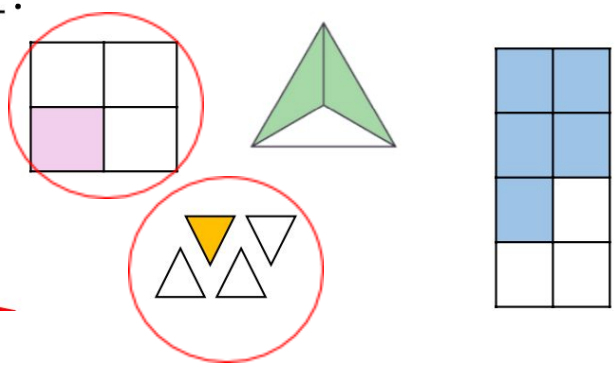
1a. Circle the representations that sho

$\frac{1}{3}$.

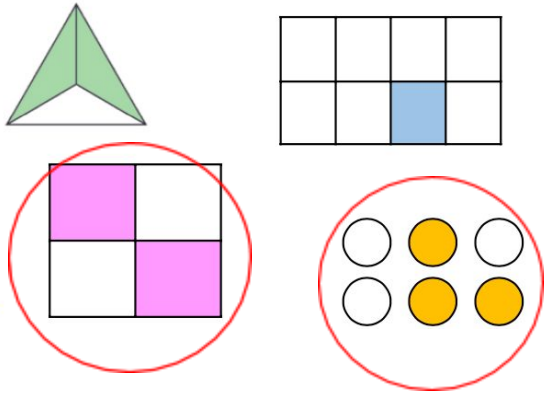


1b. Circle the representations that show

$\frac{1}{4}$.



Circle the representations that show 1/2



EXTENSION: MOVE ON TO TASK 1

Year 4 Maths

Task:

Lesson 13
LO: To identify fractions

Success Criteria:

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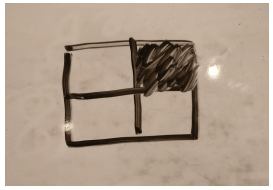
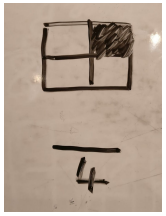
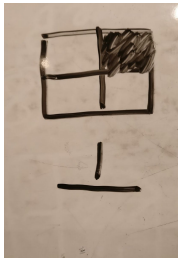
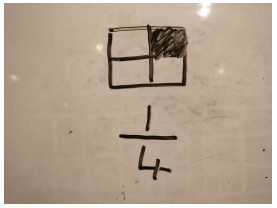
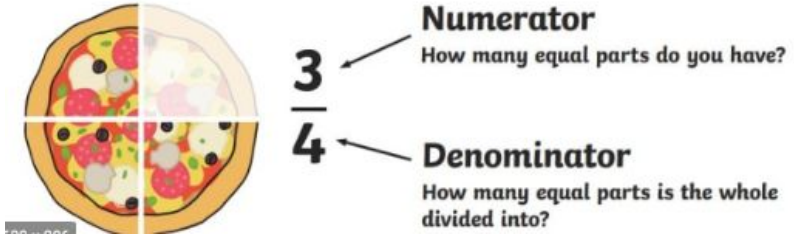
Remember: COUNT ALL THE SECTIONS FIRST, THEN THE SHADED ONES

Model:

1. 
2. 

3. 

4. 



Canonbury Home Learning

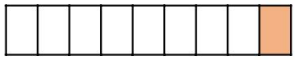
Year 4 Maths Main activity

Complete at least 2 columns, more if you can!

Task 1

Practice: What fractions do these shapes represent?

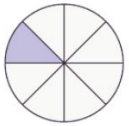
A. 

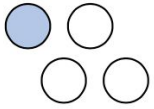
B. 

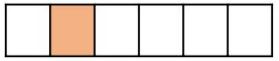
C. 

D. 

A. 

B. 

C. 

D. 

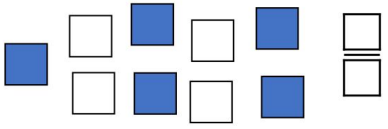
A. ½ 1/10

B. 1/9 ⅛

C. 1/11 ¼

D. ⅙ ⅙

Write a fraction represented below.

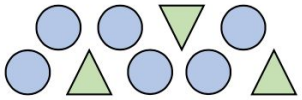


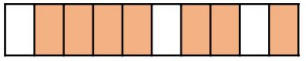
5/11

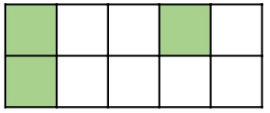
Task 2

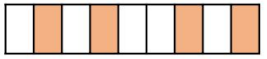
Practice: What fractions do these shapes represent?

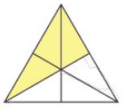
A. 

B. 

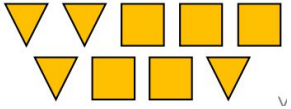
C. 

D. 

A. 

B. 

C. 

D. 

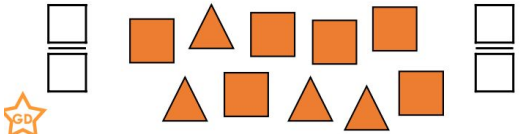
A. 5/7 4/9

B. 3/9 2/6

C. 7/10 2/7

D. 3/10 4/9

12a. Write the two fractions that are represented below.



4/10

6/10

Task 3

Reasoning

Explain your answers.

5a. Tom thinks one of the fractions represented below is $\frac{3}{7}$.

Is he correct? Prove it.

9b. Olivia writes a fraction on the number line.

Explain the mistake she has made.

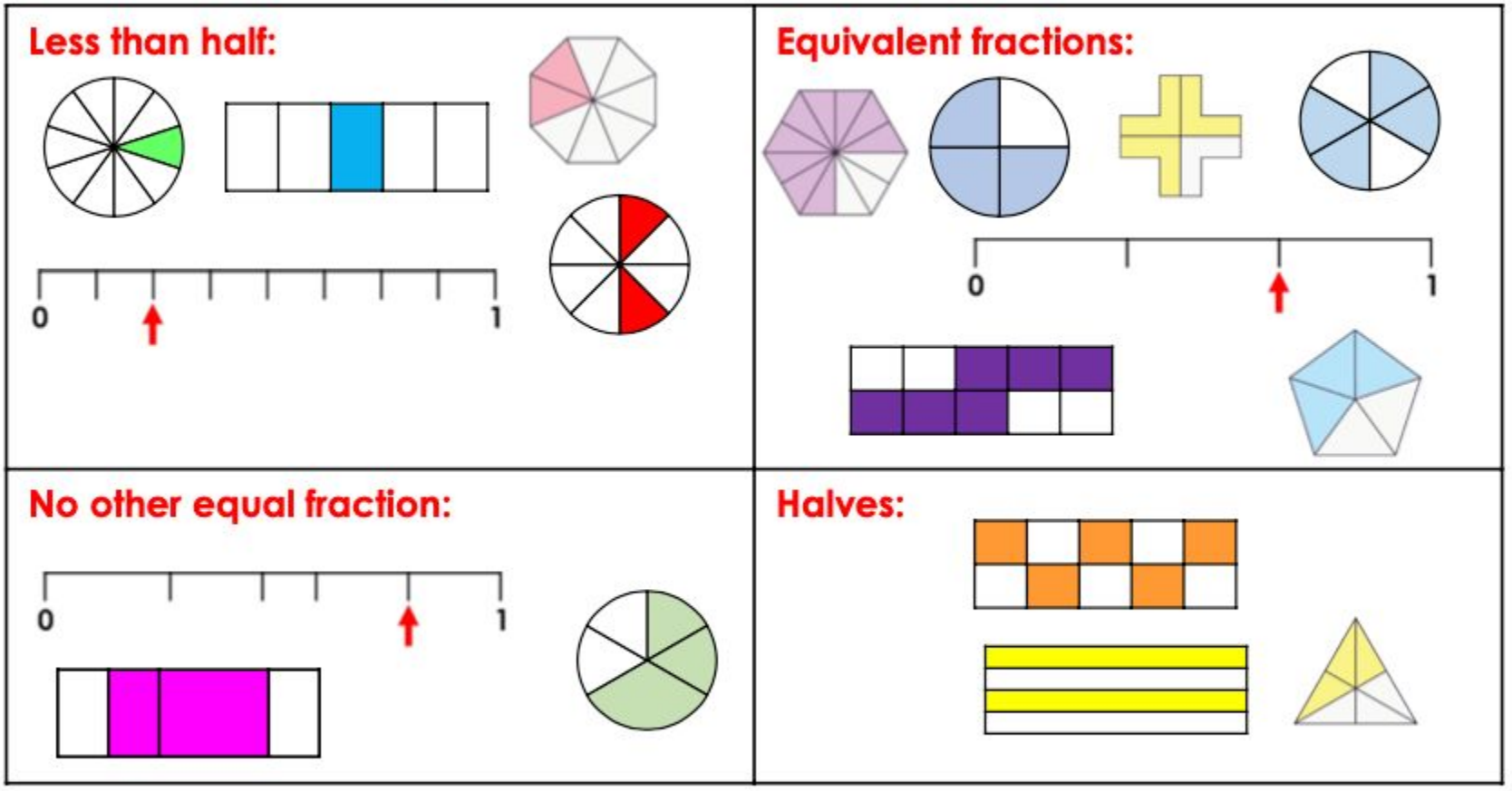
5a. Tom is correct because there are 7 birds in total, 3 are red. The fraction could have also been $\frac{4}{7}$.

9b. Olivia is incorrect because the fraction has been written on the $\frac{4}{12}$ interval.

Task 4

Problem solving

2. Cut out the representations and explore the different ways they could be sorted.
Various answers, for example:



Investigate if the same representation can be used in different groups. More specific groups could be created such as quarters, fifths etc.