Week 5 of 7

Fractions

Add fractions (R)

Add 2 or more fractions

Subtract fractions (R)

Subtract 2 fractions

Subtract from whole amounts

Mon - Adding Fractions (R)
Tues- Add 2 or more Fractions
Wed- Subtract Fractions (R)
Thurs- Subtract 2 or more Fractions
Fri - Subtract from whole amount


Thursday

Friday

IALT: subtract from a whole

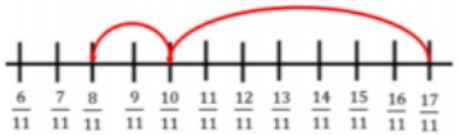
Practise your 4 x

Practise your 6 x

Practise your 7 x

Challenge

Annie uses the number line to solve $\frac{17}{11} - \frac{9}{11}$



Use a number line to solve:

$\frac{16}{13} - \frac{9}{13}$ $\frac{16}{9} - \frac{9}{9}$ $\frac{16}{7} - \frac{9}{7}$ $\frac{16}{16} - \frac{9}{16}$

https://www.topmarks.co.uk/maths-games/daily10

Type here

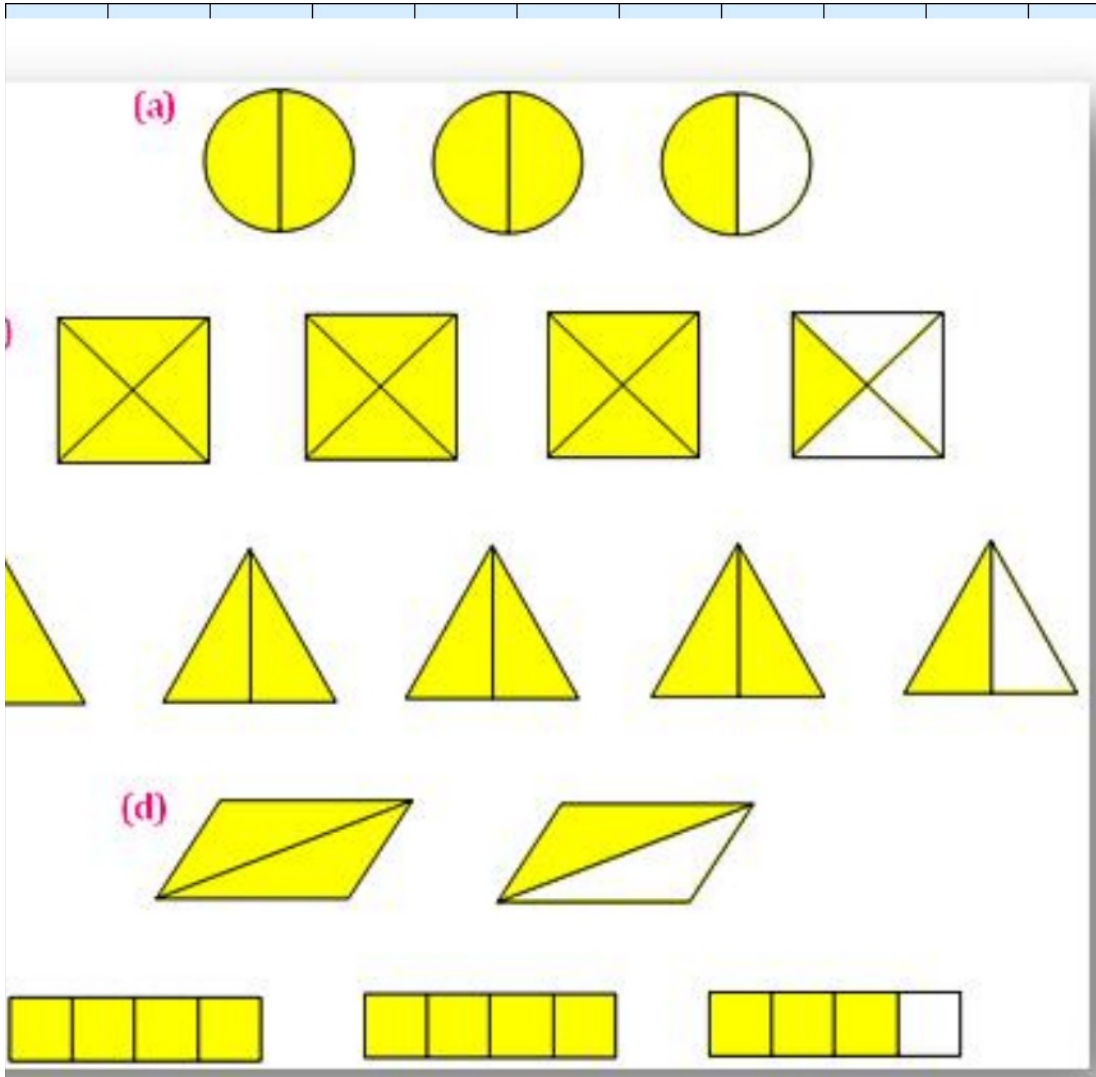
Daily Counting

8

6

25

RECAP



What fraction is shown in each image?

Can you write this as a mixed number and improper fraction?

a) $3 - \frac{3}{4} =$

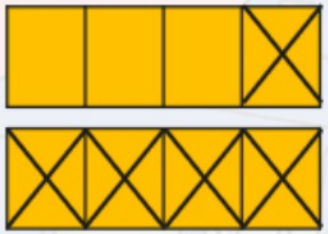
Use a piece of paper or white board to show me how you think this will work out!

You need to break down your whole number.

3 = 4/4 4/4 4/4

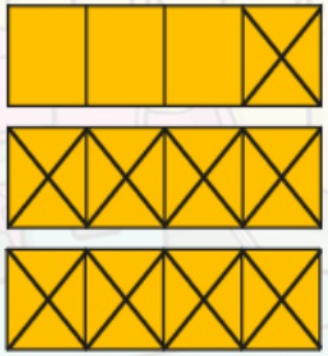
a) $3 - \frac{3}{4} = \frac{9}{4}$

$2 - \frac{5}{4}$



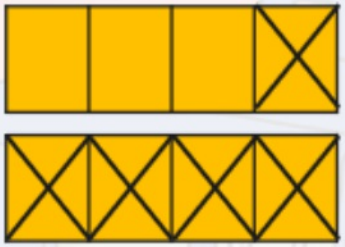
$1 - \frac{2}{4} = \_\_$

$3 - \frac{9}{4} = \_\_$



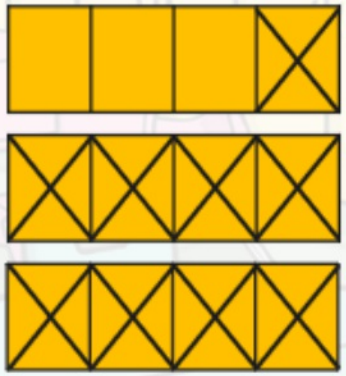
Use the bars you create from your fractions to help you.

$2 - \frac{5}{4} = \frac{3}{4}$



$1 - \frac{2}{4} = \frac{2}{4}$

$3 - \frac{9}{4} = \frac{3}{4}$



Mild

$1 - \frac{2}{3}$

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

$4 - \frac{13}{5}$

Spicy

1) $3 - \frac{5}{6}$

Ayesha: The answer will be greater than 1.

The answer will be less than 1. Ewan

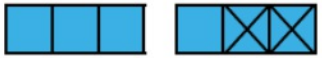
a) What is the answer?

b) Which child is correct? Explain how you know.

2) Ayesha has completed this calculation:

$2 - \frac{4}{3}$

She used this bar model to calculate the answer:



a) Is Ayesha's model correct? Why or why not?

b) What is the answer?

3) There is an one odd one out in these calculations. Which is the odd one out? Explain why it is different.

$2 - \frac{6}{5}$	$3 - \frac{11}{5}$	$1 - \frac{2}{5}$	$4 - \frac{16}{5}$

HOT HOT HOT

1) Give 4 possible ways to complete this subtraction calculation. The first number must be a whole number.

$\square - \frac{\square}{\square} = \frac{4}{7}$

2) At his birthday party, Barney had 3 cakes each cut into 7 slices. During the party, $\frac{6}{7}$ of a cake was eaten. How much cake was left at the end of the party?

Mild

$1 - \frac{2}{3}$ $\frac{1}{3}$

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

$4 - \frac{13}{5}$ $\frac{2}{5}$

1) a) $2\frac{1}{6}$ or $\frac{13}{6}$

b) Ewan is not correct because $2\frac{1}{6}$ is not less than 1. $2\frac{1}{6}$ is greater than 1 so Ayesha is correct.

2) a) Ayesha's model is not correct. She has only subtracted $\frac{2}{3}$ when she should have subtracted $\frac{4}{3}$.

b) $\frac{2}{3}$

3) The odd one out is $1 - \frac{2}{5}$. All the other calculations have the answer $\frac{4}{5}$, whereas $1 - \frac{2}{5}$ gives the answer $\frac{3}{5}$.

1) Multiple answers are possible, for example:

$1 - \frac{3}{7} = \frac{4}{7}$ $2 - \frac{10}{7} = \frac{4}{7}$ $3 - \frac{17}{7} = \frac{4}{7}$ $4 - \frac{24}{7} = \frac{4}{7}$

2) $3 - \frac{6}{7} = \frac{15}{7}$ (or $2\frac{1}{7}$)

3) a) $2 - \frac{14}{12} = \frac{10}{12}$

b) Example of a word problem to be solved by this calculation:
At his birthday party, Barney had two pizzas each cut into 12 slices. At the end of the party, ten slices were left.
What fraction of pizza had been eaten?

Mild

Use cubes, strips of paper or a bar model to solve:

$\frac{9}{9} - \frac{4}{9} = \frac{\square}{9}$ $\quad \frac{9}{9} - \frac{\square}{9} = \frac{2}{9}$ $\quad \frac{13}{9} - \frac{9}{9} = \frac{\square}{9}$

What's the same? What's different?

Spicy

Dora is subtracting a fraction from a whole.

$5 - \frac{3}{7} = \frac{2}{7}$

Can you spot her mistake?

What should the answer be?

Mild

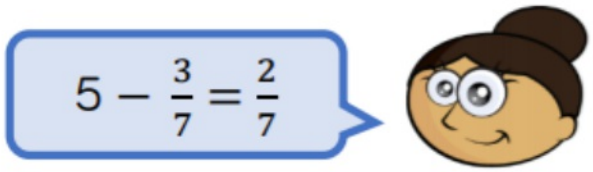
Use cube 5 trips of paper 7 a bar model to solve 4

$\frac{9}{9} - \frac{4}{9} = \frac{\quad}{9}$ $\frac{9}{9} - \frac{\quad}{9} = \frac{2}{9}$ $\frac{13}{9} - \frac{9}{9} = \frac{\quad}{9}$

What's the same? What's different?

Spicy

Dora is subtracting a fraction from a whole.



Can you spot her mistake?

What should the answer be?

Show your Teacher and explain.