Year 6

Thursday 7th May 2020

Maths

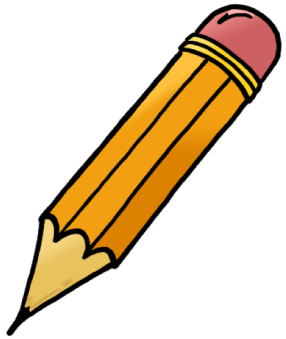
LO: to mixed addition and subtraction

Remember there is no lesson today as the teachers are in school.

Please note: this link only works on either pdf or the link above this powerpoint.

The video lesson is available here – Summer Term - Week 3 - lesson 4

This will teach you everything you need to know for the lesson.



Starter - Brain Teaser

B	R	A	V	E
	E	B	R	
		V		B
	B	R		
		E	B	

Only for the brave, this one!

This square has eleven letters missing, which you have to replace.

Every row, column AND the main diagonals contain all the letters in the word "BRAVE".

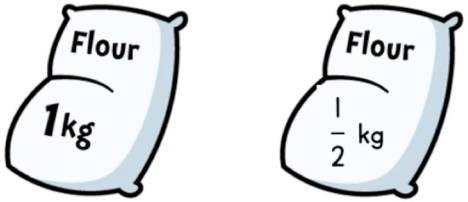
That reminds me, I must see the Postman about all those missing letters.

Starter - Brain Teaser Solution

B	R	A	V	E
V	E	B	R	A
R	A	V	E	B
E	B	R	A	V
A	V	E	B	R

1:

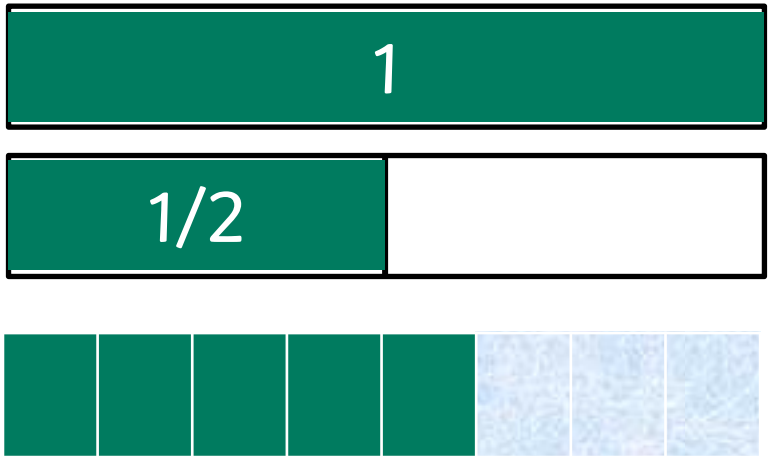
I have $1\frac{1}{2}$ kg of flour.



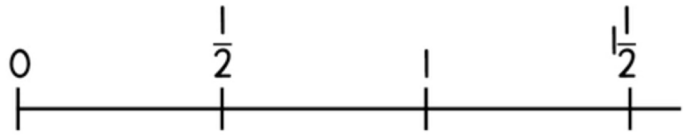
I use $\frac{5}{8}$ kg of flour to make a cake.

How much flour is left?

Use the bar model or the number line below to help you.



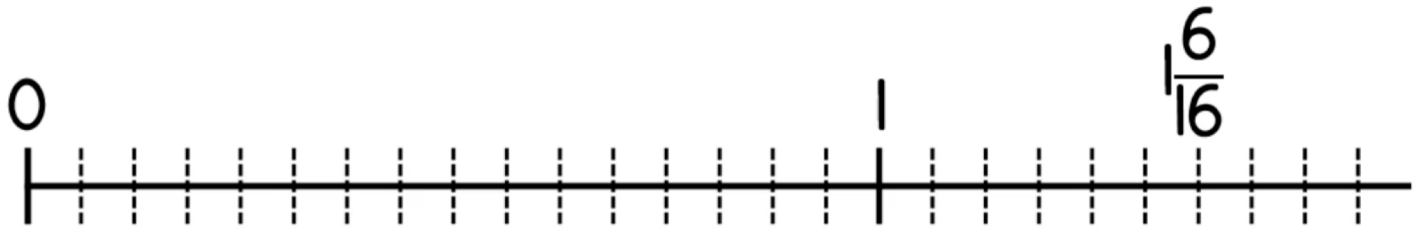
5/8ths



$\frac{1}{2} = \frac{\quad}{8}$

2:

$$1\frac{6}{16} - \frac{7}{8}$$

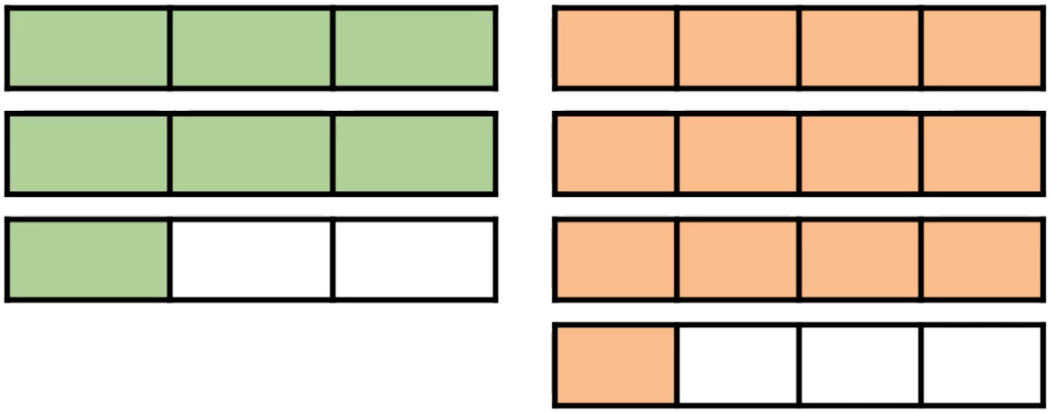


Here is a number line split into 16ths.

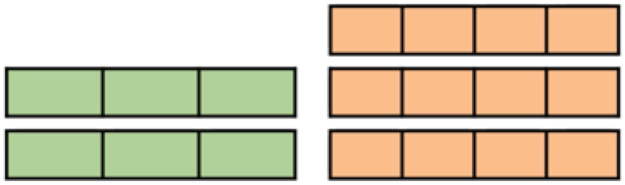
Hint: what is 7/8^{ths} in 16ths?

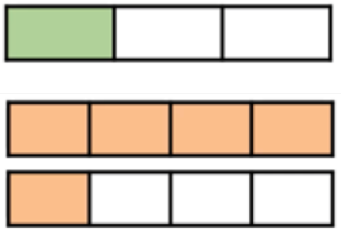
3:

$$2\frac{1}{3} + 3\frac{1}{4}$$



It may help you to add the whole numbers together and the fractions separately.

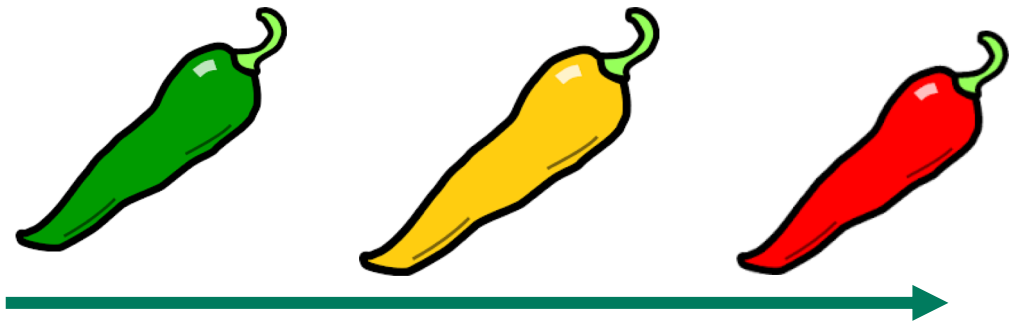




Independent work

Independent work continues on the following slide.

There are 7 questions and 1 extension.



The video lesson is available here
Summer Term 1 - Week 3 – lesson 4

Mixed addition and subtraction

1 Work out the calculations.

a) $\frac{2}{5} + \frac{3}{4} = \square$

b) $2\frac{1}{4} - \frac{2}{3} = \square$

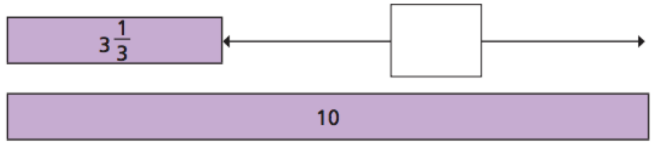
c) $3\frac{7}{10} - 2\frac{1}{4} = \square$

2 Complete the calculation.

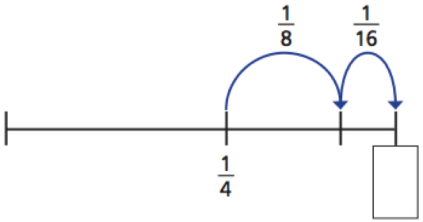
$\frac{5}{6} + 1\frac{2}{9} - \frac{1}{2} = \square$

3 Work out the missing fractions.

a)



b)



4 Complete the calculations.

a) $\frac{2}{5} + \frac{1}{5} + \square = 1$

b) $\frac{2}{5} + \frac{1}{5} + \square = 1\frac{1}{2}$

c) $\frac{2}{5} + \frac{1}{5} + \square = \frac{4}{3}$

d) $\frac{4}{5} = \square - \frac{4}{5}$

5 Which of these are true and which are false?

Can you decide without having to do the additions or the subtractions?

Talk about your reasons with a partner.

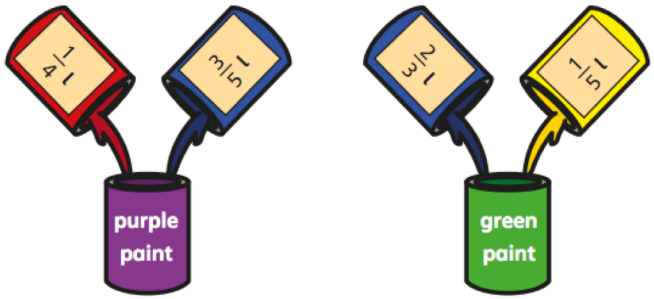
	True or false?
$2\frac{1}{3} + 3\frac{3}{4}$ *is equal to* $3\frac{1}{3} + 2\frac{3}{4}$	
$3\frac{3}{4} - \frac{1}{3}$ *is less than* $4\frac{3}{4} - 1\frac{1}{3}$	
$3\frac{3}{4} - 2\frac{1}{3}$ *is equal to* $3\frac{1}{3} - 2\frac{3}{4}$	

6 Complete the addition grid.

$1\frac{1}{4}$		$\frac{1}{4}$	$= 3\frac{3}{5}$
$\frac{1}{25}$	$1\frac{3}{20}$		$= 3\frac{39}{100}$
	$1\frac{1}{50}$	$1\frac{3}{100}$	$= 5\frac{9}{20}$
=	=	=	

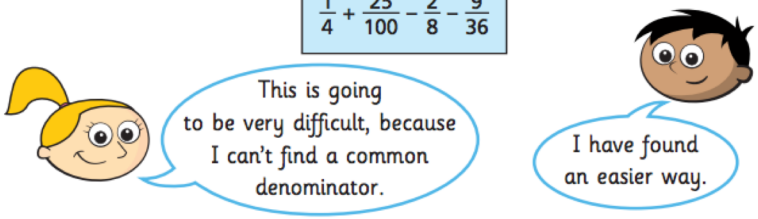
7 A painter uses the following mixtures.

How much more green paint does she have than purple paint?



EXT: Eva and Amir are working out this calculation.

$$\frac{1}{4} + \frac{25}{100} - \frac{2}{8} - \frac{9}{36}$$



Find Amir's solution. Explain how this calculation can be solved.