



W.C. 18th May 2020

<https://www.bbc.co.uk/bitesize/tags/zhgppg8/year-5-and-p6-lessons/1>

Maths

Use these worksheets to work from and not on. All you need is a piece of paper, pencil and maybe a ruler.

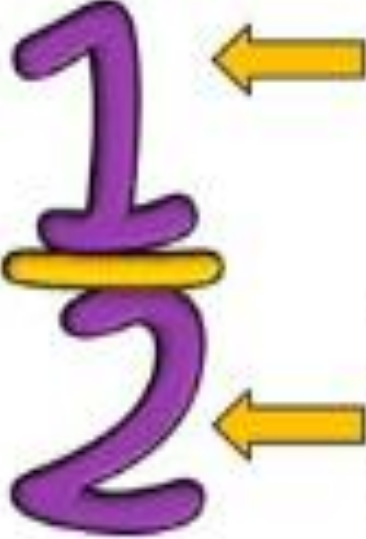
After watching the videos and having a go at the practise activities, have a go at these activities. Depending on your confidence choose Mild, Medium or Spicy.

Extensions – You may wish to deepen your learning by looking at the Collins Worksheets provided by the BBC too.



FRACTIONS QUICK RECAP

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The top number is the numerator and this tells us how many equal parts we are talking about.

The bottom number is the denominator and this tells us how many equal parts the whole has been divided into.

PRIMA

Monday

<https://www.bbc.co.uk/bitesize/tags/zhgppg8/year-5-and-p6-lessons/1>

Add and Subtract fractions where the denominators are multiples of each other

<https://whiterosemaths.com/homelearning/year-5/>

<https://www.bbc.co.uk/bitesize/topics/zhdwxb/articles/z9n4k7h>

Adding and subtracting fractions

Common denominators

It's easy to add and subtract fractions when the numbers on the bottom are the same.

These are called the denominators.

$$\frac{2}{9} + \frac{5}{9} = \frac{7}{9}$$

Equivalent fractions

However, sometimes the denominators are different.

You use equivalent fractions to make them the same.

A **common multiple** of 2 and 3 is 6.

So, for each fraction we need an equivalent fraction with a denominator of 6.

Now you can add these together.

$$\frac{1}{2} + \frac{1}{3} = ?$$

$$\frac{1}{2} \times \frac{3}{3} = \frac{3}{6}$$

$$\frac{1}{3} \times \frac{2}{2} = \frac{2}{6}$$

$$\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

Mild

Draw out the Bar and Part-Whole Models. These all have the same (common) denominator already.

Addition

1 Complete the additions.



$$\frac{1}{5} + \frac{2}{5} = \boxed{}$$



$$\frac{1}{5} + \frac{3}{5} = \boxed{}$$



$$\frac{3}{8} + \frac{3}{8} = \boxed{}$$



$$\frac{3}{8} + \frac{1}{8} = \boxed{}$$

3 Complete the additions.

a) $\frac{3}{7} + \frac{3}{7} = \boxed{}$

e) $\frac{8}{11} + \frac{6}{11} = \boxed{} = \boxed{}$

b) $\frac{3}{7} + \frac{4}{7} = \boxed{} = \boxed{}$

f) $\frac{4}{11} + \frac{4}{11} + \frac{6}{11} = \boxed{} = \boxed{}$

c) $\frac{4}{5} + \frac{3}{5} = \boxed{} = \boxed{}$

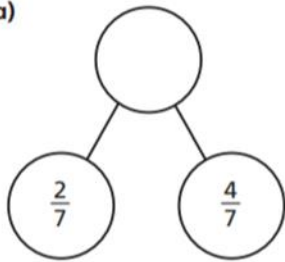
g) $\frac{3}{11} + \frac{3}{11} + \frac{8}{11} = \boxed{} = \boxed{}$

d) $\frac{8}{5} + \frac{6}{5} = \boxed{} = \boxed{}$

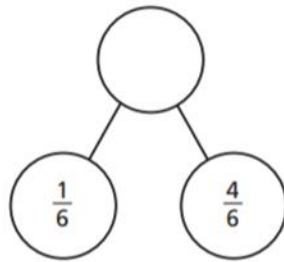
h) $\frac{3}{7} + \frac{3}{7} + \frac{8}{7} = \boxed{} = \boxed{}$

2 Complete the part-whole models.

a)



b)



Subtraction

Complete the subtractions.

a) 
 $\frac{4}{5} - \frac{1}{5} = \boxed{}$

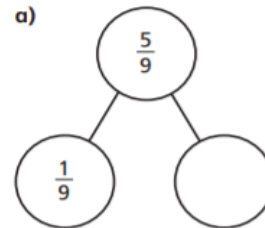
b) 
 $\frac{4}{5} - \frac{2}{5} = \boxed{}$

c) 
 $\frac{5}{7} - \frac{3}{7} = \boxed{}$

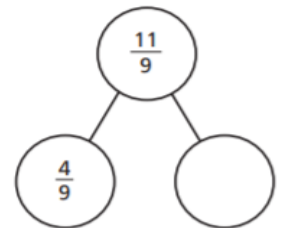
d) 
 $\frac{7}{9} - \frac{4}{9} = \boxed{}$

Complete the part-whole models.

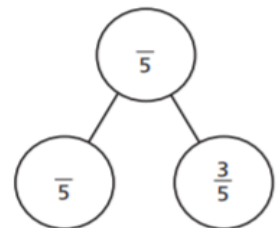
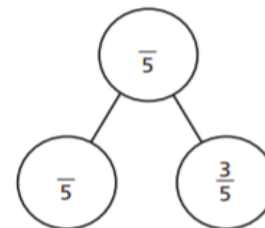
a)



b)



Complete the part-whole model in two different ways.



Medium

You will need to convert the denominator!

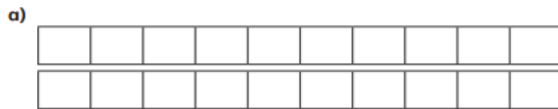
Make sure the fraction is an equivalent fractions

https://www.youtube.com/watch?v=jHSGdWK_qoE

Remember to draw out the bars should you need to.

1 Complete the calculations.

Use the bar models to help you.



$$\frac{1}{2} + \frac{7}{10} = \boxed{} = \boxed{}$$



$$\frac{1}{2} + \frac{3}{10} + \frac{1}{5} = \boxed{} = \boxed{}$$



$$\frac{2}{3} + \frac{5}{6} + \frac{1}{12} = \boxed{} = \boxed{}$$

2 Complete the additions.

a) $\frac{4}{5} + \frac{7}{20} = \boxed{} = \boxed{}$

d) $\frac{4}{3} + \frac{5}{12} = \boxed{} = \boxed{}$

b) $\frac{5}{4} + \frac{7}{20} = \boxed{} = \boxed{}$

e) $\frac{3}{5} + \frac{11}{15} = \boxed{} = \boxed{}$

c) $\frac{3}{4} + \frac{5}{12} = \boxed{} = \boxed{}$

f) $\frac{5}{3} + \frac{11}{15} = \boxed{} = \boxed{}$

3 Match the additions that have the same answer.

$$\frac{3}{5} + \frac{9}{20}$$

$$\frac{16}{20} + \frac{9}{20}$$

$$\frac{3}{4} + \frac{9}{20}$$

$$\frac{12}{20} + \frac{9}{20}$$

$$\frac{4}{5} + \frac{9}{20}$$

$$\frac{14}{20} + \frac{9}{20}$$

$$\frac{7}{10} + \frac{9}{20}$$

$$\frac{15}{20} + \frac{9}{20}$$

How many different ways can Rosie balance the equation?

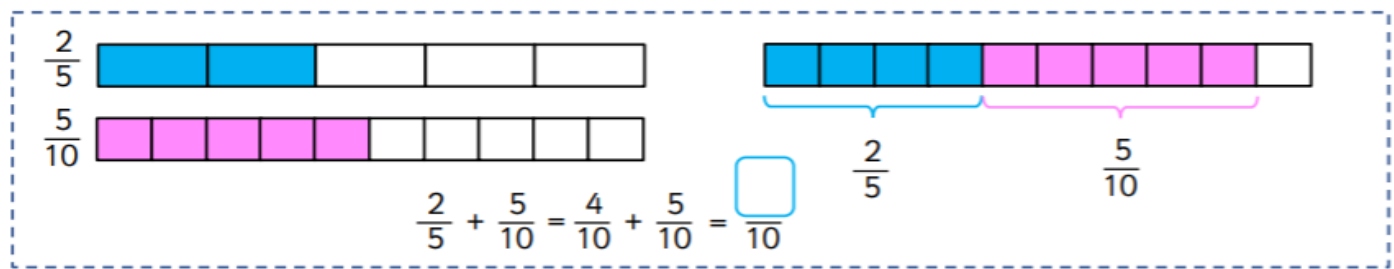


$$\frac{7}{8} + \boxed{} = \frac{3}{8} + \boxed{}$$

$$\frac{7}{9} - \boxed{} = \frac{4}{9} - \boxed{}$$

$$\frac{4}{9} + \boxed{} = \frac{8}{9} - \boxed{}$$

Malachi uses a bar model to find the sum.



Using Malachi's bar model method, complete the following calculations.

$\frac{2}{6} + \frac{2}{3}$	$\frac{3}{4} + \frac{1}{8}$	$\frac{5}{5} + \frac{2}{10}$	$\frac{1}{4} + \frac{0}{8}$	$\frac{4}{6} + \frac{1}{18}$	$\frac{2}{6} + \frac{1}{12}$
$\frac{6}{7} + \frac{1}{14}$	$\frac{5}{8} + \frac{4}{16}$	$\frac{1}{2} + \frac{3}{6}$	$\frac{5}{9} + \frac{2}{27}$	$\frac{3}{5} + \frac{5}{15}$	$\frac{6}{9} + \frac{1}{3}$
$\frac{7}{10} + \frac{2}{20}$	$\frac{9}{11} + \frac{7}{22}$	$\frac{1}{4} + \frac{3}{12}$	$\frac{9}{25} + \frac{1}{5}$	$\frac{1}{3} + \frac{5}{12}$	$\frac{13}{14} + \frac{1}{7}$



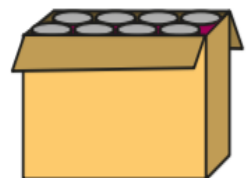
Sophia spent $\frac{1}{3}$ of the money her grandfather gave her on a mathematical book.

She also spent $\frac{4}{9}$ of the money on a gift for her grandmother.

What fraction of the money has Sophia spent?

Dexter has some tins of food. There are four types of food: beans, sweetcorn, soup and tomatoes.

- The total weight of all the tins is 2 kg.
- The tins of beans weigh $\frac{2}{3}$ kg.
- The tins of sweetcorn weigh $\frac{5}{12}$ kg.
- The tins of soup weigh $\frac{1}{4}$ kg.



a) Work out the total weight of the tins of beans, sweetcorn and soup.

Want More? – Have a go at the Fraction Calculations on Purple Mash.

Tuesday

<https://www.bbc.co.uk/bitesize/tags/zhgppg8/year-5-and-p6-lessons/1>

Add two fractions where the answer could be greater than 1

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Some fractions when added together make more than 1. Let's take a closer look...

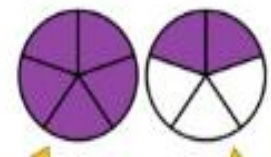
$$\frac{3}{5} + \frac{4}{5} = \frac{7}{5}$$

The numerator is **bigger** than the denominator, so the fraction is bigger than 1. This is called an **improper fraction**. We need to write this as a **mixed number**...

60 x 720

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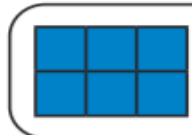
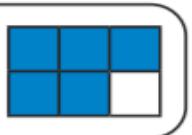
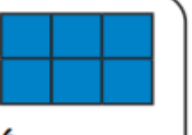
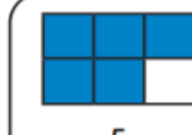
You can check your answer using diagrams...

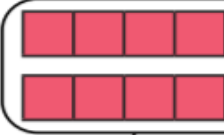
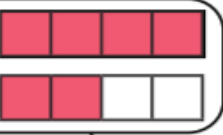
$\frac{7}{5} =$  $= 1\frac{2}{5}$

$\frac{5}{5} = 1$ $\frac{2}{5}$

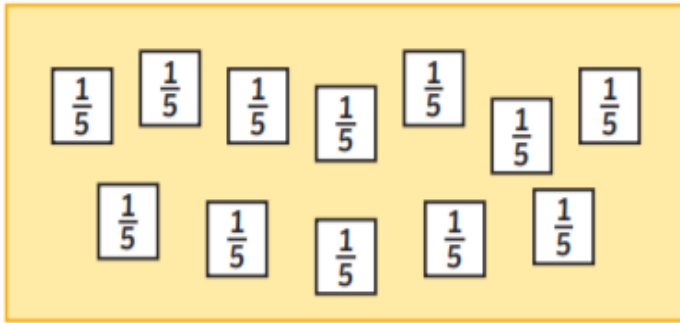
Mild

Complete the table.

	
	
$\frac{6}{6} = 1 \text{ whole}$	$\frac{5}{6}$
There are ____ sixths altogether.	
____ sixths = ____ whole and ____ sixths	

	
	
$\frac{\square}{\square} =$	$\frac{\square}{\square}$
There are ____ quarters altogether.	
____ quarters = ____ whole ones and ____ quarters	

Complete the sentences to match the image.



There are fifths altogether.

fifths = wholes and fifths

Complete the calculations. You can draw part-whole models to help you.

$$\frac{24}{10} = \frac{20}{10} + \frac{\boxed{}}{10} = 2\frac{4}{10}$$

$$\frac{\boxed{}}{2} = \frac{\boxed{}}{2} + \frac{\boxed{}}{2} = 5\frac{1}{2}$$

Medium

Draw out your bars and don't forget to cross through the parts when subtracting!

1 Complete the calculations.

Use the bar models to help you.

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

b) 
 $\frac{6}{5} + \frac{3}{5} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

c) 
 $\frac{8}{5} - \frac{6}{5} = \frac{\boxed{}}{\boxed{}}$

d) 
 $\frac{9}{5} - \frac{3}{5} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

2 Complete the calculations.

a) $\frac{4}{7} + \frac{2}{7} = \frac{\boxed{}}{\boxed{}}$ f) $\frac{17}{9} - \frac{8}{9} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

b) $\frac{4}{7} + \frac{3}{7} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$ g) $\frac{16}{9} - \frac{8}{9} = \frac{\boxed{}}{\boxed{}}$

c) $\frac{4}{7} + \frac{4}{7} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$ h) $\frac{7}{9} + \frac{2}{9} + \frac{8}{9} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

d) $\frac{8}{7} - \frac{3}{7} = \frac{\boxed{}}{\boxed{}}$ i) $\frac{7}{15} + \frac{2}{15} + \frac{8}{15} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$

e) $\frac{7}{9} + \frac{8}{9} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$ j) $\frac{7}{15} - \frac{2}{15} + \frac{8}{15} = \frac{\boxed{}}{\boxed{}}$

3

$$\frac{\boxed{}}{8} + \frac{\boxed{}}{8} = \frac{13}{8}$$

What could the missing numerators be?

Give six different possibilities.

$$\frac{\boxed{}}{8} + \frac{\boxed{}}{8} = \frac{13}{8}$$

$$\frac{\boxed{}}{8} + \frac{\boxed{}}{8} = \frac{13}{8}$$

$$\frac{\boxed{}}{8} + \frac{\boxed{}}{8} = \frac{13}{8}$$

$$\frac{\boxed{}}{8} + \frac{\boxed{}}{8} = \frac{13}{8}$$

$$\frac{\boxed{}}{8} + \frac{\boxed{}}{8} = \frac{13}{8}$$

$$\frac{\boxed{}}{8} + \frac{\boxed{}}{8} = \frac{13}{8}$$

Spicy

Here are some fraction cards.

$\frac{9}{8}$	$\frac{13}{8}$	$\frac{1}{8}$	$\frac{7}{8}$	$\frac{3}{8}$	$1\frac{7}{8}$
---------------	----------------	---------------	---------------	---------------	----------------

Use the cards to write pairs of fractions with a total of 2

$$\boxed{} + \boxed{} = 2$$

$$\boxed{} + \boxed{} = 2$$

$$\boxed{} + \boxed{} = 2$$

Fill in the missing numerators.

a) $\frac{3}{8} + \frac{\boxed{}}{8} = \frac{13}{8}$

g) $\frac{4}{7} + \frac{\boxed{}}{7} + \frac{4}{7} = 2$

b) $\frac{13}{8} - \frac{\boxed{}}{8} = \frac{7}{8}$

h) $\frac{5}{7} + \frac{\boxed{}}{7} + \frac{5}{7} = 2$

c) $\frac{13}{8} - \frac{\boxed{}}{8} = 1$

i) $\frac{6}{7} + \frac{\boxed{}}{7} + \frac{6}{7} = 2$

d) $\frac{11}{9} + \frac{\boxed{}}{9} = \frac{22}{9} = 2\frac{\boxed{}}{9}$

j) $\frac{14}{7} + \frac{\boxed{}}{7} + \frac{4}{7} = 3$

e) $\frac{11}{9} + \frac{\boxed{}}{9} = \frac{\boxed{}}{9} = 2\frac{2}{9}$

k) $\frac{15}{7} + \frac{\boxed{}}{7} + \frac{5}{7} = 3$

f) $\frac{22}{9} - \frac{\boxed{}}{9} = \frac{\boxed{}}{9} = 2\frac{2}{9}$

l) $\frac{16}{7} + \frac{\boxed{}}{7} + \frac{6}{7} = 4$

Annie and Dexter both have a skipping rope.

Annie's rope is $\frac{3}{4}$ m shorter than Dexter's rope.

The ropes are $\frac{13}{4}$ m altogether.

How long is each skipping rope?

Annie's rope is m long. Dexter's rope is m long.

Want more? – Have a go at the Fraction Calculations and/or the Fraction Sentences on Purple Mash.

Wednesday

<https://www.bbc.co.uk/bitesize/tags/zhgppg8/year-5-and-p6-lessons/1>

Add two mixed fractions

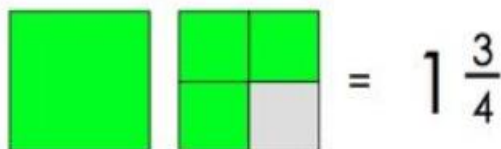
The link below will also support you with adding and subtracting mixed numbers.

<https://www.mathsisfun.com/numbers/fractions-mixed-addition.html>

Revision

Mixed Numbers

- A mixed number has a part that is a whole and a part that is a fraction.

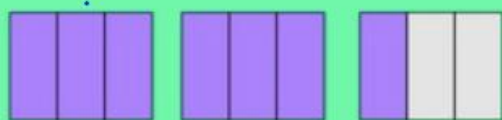


Improper Fractions

- A fraction in which the numerator is greater than the denominator.



Convert the improper fraction to a mixed number:



$$\frac{7}{3} \rightarrow 2\frac{1}{3}$$

Convert the mixed number to an improper fraction:



$$4\frac{1}{2} \rightarrow \frac{9}{2}$$

One method to add mixed fractions (mixed numbers):

Add the fractions by adding the whole first and then the fractions.

$$2\frac{2}{5} + 3\frac{6}{10} = 5\frac{10}{10} = 6$$



Step 1

$$2+3=5$$

Step 2

$$\frac{2}{5} + \frac{6}{10} = \frac{4}{10} + \frac{6}{10} = \frac{10}{10}$$

Step 3

$$5 + \frac{10}{10} = 5\frac{10}{10} = 6$$

Mild

Use the method above to help you complete the following questions.

However, these all have the same denominator so you do not need to convert one of the fractions! 😊

1. $5 \frac{5}{12} + 4 \frac{11}{12} =$ _____

2. $1 \frac{1}{2} + 7 \frac{1}{2} =$ _____

3. $7 \frac{2}{3} + 7 \frac{2}{3} =$ _____

4. $8 \frac{7}{11} + 3 \frac{2}{11} =$ _____

5. $10 \frac{4}{5} + 8 \frac{3}{5} =$ _____

6. $7 \frac{3}{6} + 8 \frac{2}{6} =$ _____

7. $3 \frac{2}{11} + 4 \frac{1}{11} =$ _____

8. $9 \frac{8}{12} + 6 \frac{7}{12} =$ _____

9. $3 \frac{4}{8} + 9 \frac{6}{8} =$ _____

10. $10 \frac{3}{5} + 2 \frac{3}{5} =$ _____

11. $6 \frac{1}{2} + 3 \frac{1}{2} =$ _____

12. $4 \frac{1}{4} + 7 \frac{2}{4} =$ _____

13. $10 \frac{1}{3} + 7 \frac{1}{3} =$ _____

14. $1 \frac{3}{9} + 4 \frac{5}{9} =$ _____

15. $10 \frac{5}{7} + 2 \frac{4}{7} =$ _____

16. $7 \frac{8}{10} + 7 \frac{9}{10} =$ _____

Medium

Britany uses the following method to add mixed numbers:

$$2\frac{1}{3} + 3\frac{2}{9} = 5 + \frac{5}{9} = 5\frac{5}{9}$$

$2 + 3 = 5$
 $\frac{1}{3} + \frac{2}{9} = \frac{3}{9} + \frac{2}{9} = \frac{5}{9}$

Add the fractions by adding the whole numbers first and then the fractions.

Give your answer in its simplest form.

$1\frac{1}{3} + \frac{5}{6}$	$2\frac{1}{4} + 4\frac{3}{8}$	$3\frac{1}{2} + 7\frac{1}{10}$
$1\frac{1}{5} + 6\frac{7}{20}$	$5\frac{2}{3} + 3\frac{7}{9}$	$8\frac{1}{2} + 4\frac{1}{12}$

Use your preferred method to add these fractions.

$2\frac{1}{3} + \frac{13}{6}$	$3\frac{3}{4} + \frac{11}{8}$	$\frac{9}{5} + 4\frac{3}{10}$	$5\frac{1}{2} + \frac{17}{8}$	$\frac{15}{6} + 2\frac{5}{12}$	$14\frac{1}{4} + 8\frac{3}{16}$
$3\frac{4}{5} + 9\frac{17}{20}$	$\frac{14}{3} + 5\frac{7}{18}$	$7\frac{1}{2} + 6\frac{9}{14}$	$6\frac{3}{5} + \frac{23}{10}$	$2\frac{1}{3} + 6\frac{1}{9}$	$7\frac{5}{6} + 3\frac{11}{12}$

Complete the following calculations.

$\frac{3}{4} + \frac{5}{8} = $ $\frac{7}{2} + \frac{5}{16} = $ 	$\rightarrow$	$+$	$=$	$\frac{3}{4} + \frac{5}{8} = $ $\frac{7}{2} + \frac{5}{16} = $
$\frac{2}{3} + \frac{11}{6} = $ $\frac{9}{4} + \frac{18}{12} = $ 	$\rightarrow$	$+$	$=$	$\frac{2}{3} + \frac{11}{6} = $ $\frac{9}{4} + \frac{18}{12} = $



$$2\frac{3}{5} + 1\frac{7}{10} = 3 + \frac{13}{10} = 3\frac{13}{10}$$

How can Ron improve his answer?

Spicy

Complete the additions.

a) $2\frac{3}{4} + 3\frac{5}{12} =$

b) $3\frac{2}{3} + 2\frac{7}{12} =$

Put ">" or "<" to get the correct statements.

$$\frac{7}{4} + 1\frac{2}{8} \bigcirc 1\frac{2}{4} + \frac{7}{8}$$

$$2\frac{1}{3} + \frac{8}{9} \bigcirc 1\frac{5}{9} + \frac{2}{3}$$

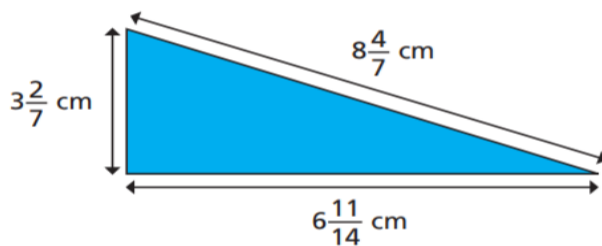
$$2\frac{1}{2} + \frac{5}{4} \bigcirc 3\frac{1}{4} + \frac{3}{2}$$

$$\frac{11}{3} + \frac{13}{9} \bigcirc 1\frac{2}{9} + \frac{7}{3}$$

$$\frac{17}{8} + \frac{19}{16} \bigcirc 1\frac{7}{16} + 2\frac{1}{4}$$

$$\frac{12}{5} + \frac{31}{15} \bigcirc 1\frac{7}{15} + 3\frac{1}{5}$$

Calculate the perimeter of the triangle.


 cm

Want more? - Go to Purple mash and complete the 2Dos on Mixed and Improper Fractions

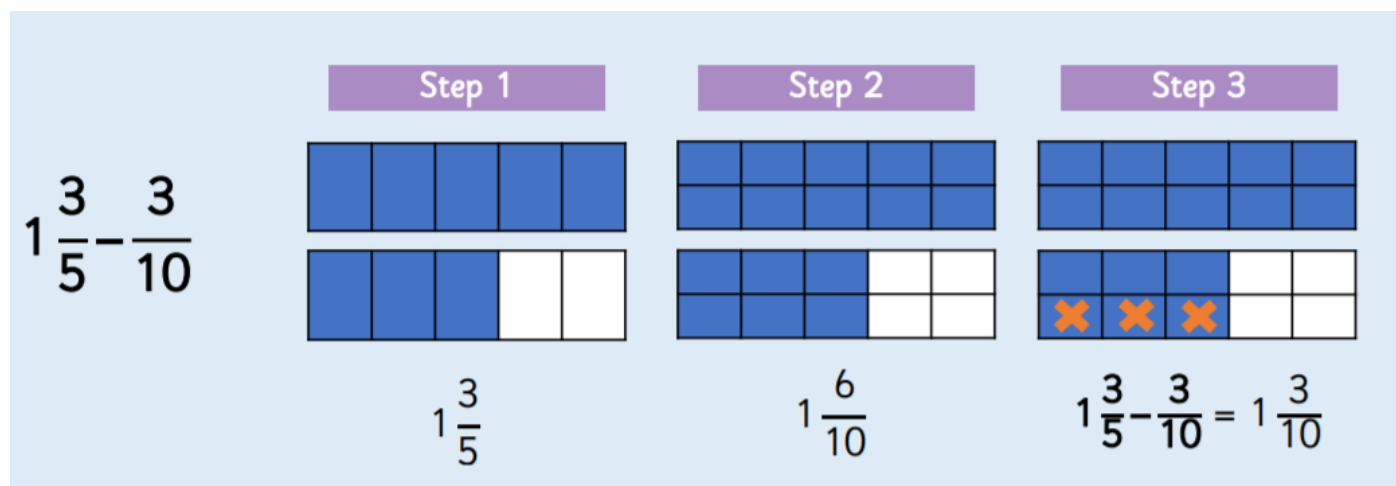
Thursday

Subtract two mixed fractions

<https://www.bbc.co.uk/bitesize/tags/zhgppg8/year-5-and-p6-lessons/1>

The link below will also support you with adding and subtracting mixed numbers.

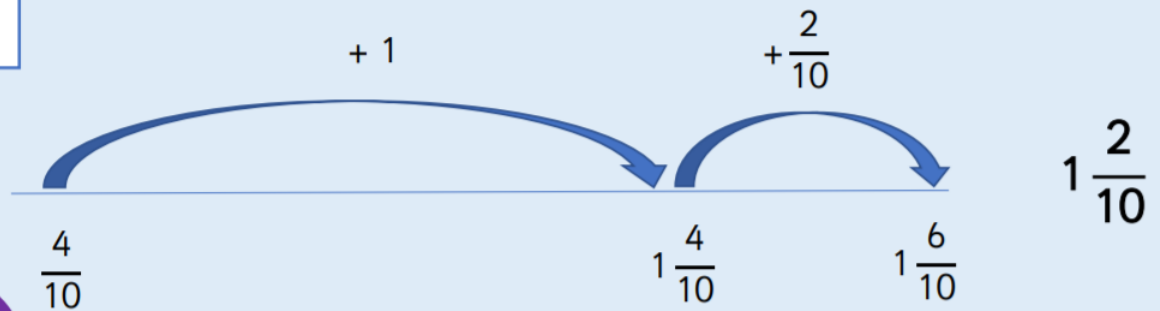
<https://www.mathsisfun.com/numbers/fractions-mixed-addition.html>



Use a number line to find the difference between

$$1\frac{3}{5} \text{ and } \frac{4}{10}:$$

$$1\frac{3}{5} = 1\frac{6}{10}$$

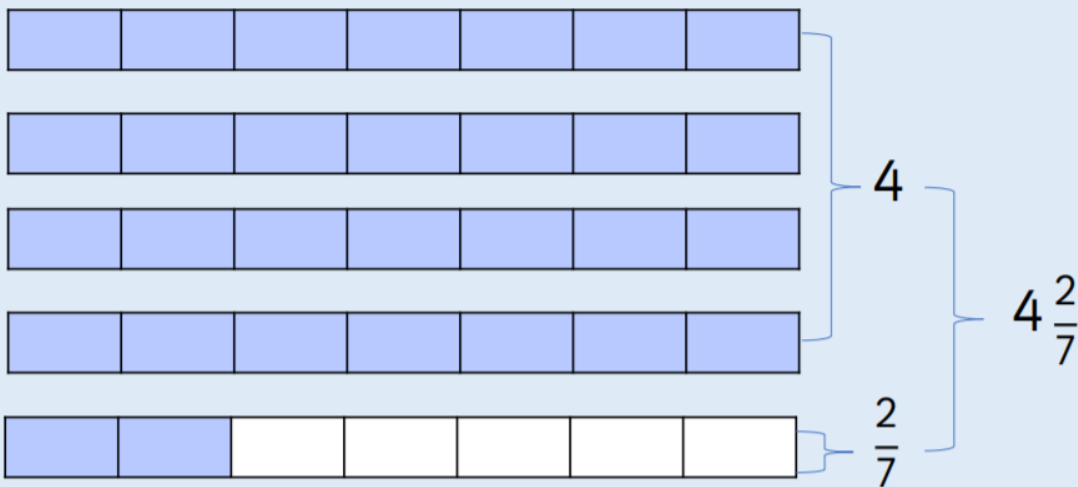


Mild

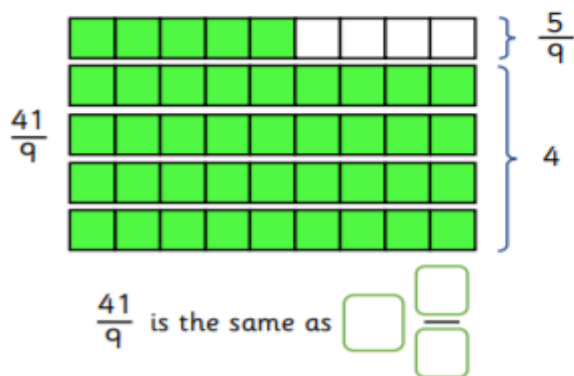
Revise converting from improper fractions to mixed numbers first.

An example...

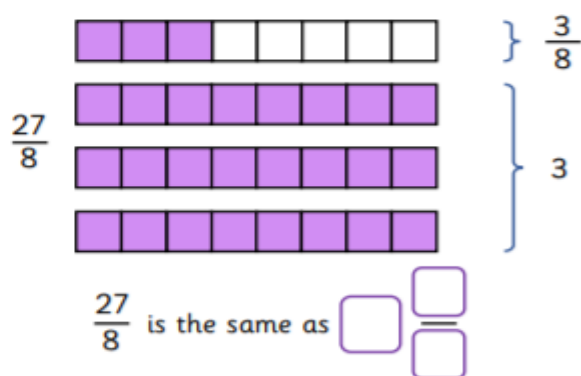
Malachi converts the improper fraction $\frac{30}{7}$ into a mixed number using bar models.



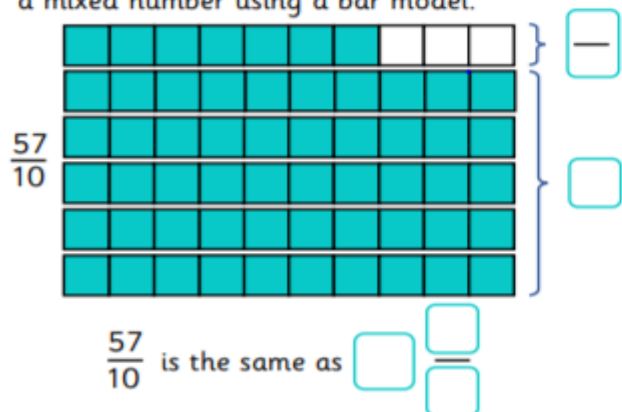
Tommy converts the improper fraction $\frac{41}{9}$ into a mixed number using a bar model.



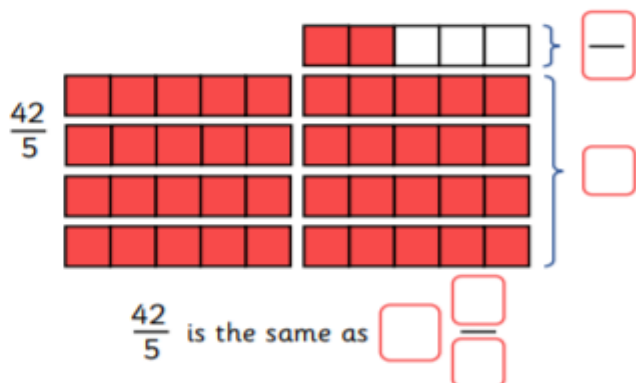
Isabella converts the improper fraction $\frac{27}{8}$ into a mixed number using a bar model.



Maisie converts the improper fraction $\frac{57}{10}$ into a mixed number using a bar model.



Matthew converts the improper fraction $\frac{42}{5}$ into a mixed number using a bar model.



1 Complete the subtractions.

Use the bar models to help you.

a)



$$\frac{15}{8} - \frac{1}{2} = \boxed{}$$

b)



$$1\frac{7}{8} - \frac{3}{4} = \boxed{}$$

c)



$$1\frac{1}{2} - \frac{3}{8} = \boxed{}$$

Now try subtracting.

You will need to convert the fractions so that they are improper and have the same denominator.

E.g. $\frac{1}{2} = \frac{4}{8}$

Medium

Draw out the bar models, don't forget to cross through for subtraction.

1 Complete the subtractions.

Use the bar models to help you.

a)

$$\frac{15}{8} - \frac{1}{2} = \boxed{}$$

b)

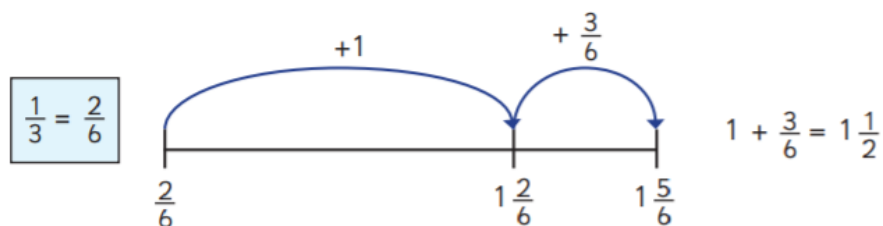
$$1\frac{7}{8} - \frac{3}{4} = \boxed{}$$

c)

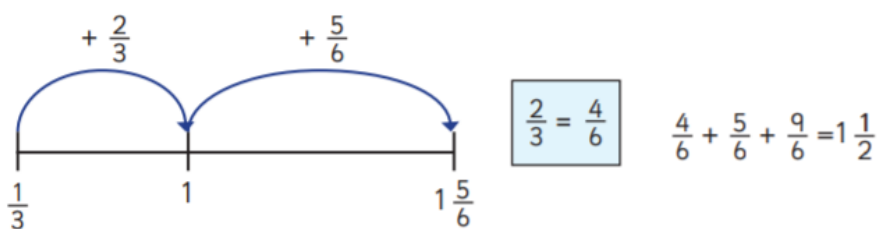
$$1\frac{1}{2} - \frac{3}{8} = \boxed{}$$

- 2 Dexter and Whitney are using number lines to work out $1\frac{5}{6} - \frac{1}{3}$

Dexter's method



Whitney's method



What is the same and what is different about these methods?

Use one of the methods to work out $1\frac{5}{8} - \frac{3}{16}$



$$1\frac{5}{8} - \frac{3}{16} = \boxed{}$$

Spicy

Complete the subtractions.

a) $3\frac{1}{4} - \frac{5}{24} = \boxed{}$

d) $7\frac{5}{6} - \frac{13}{24} = \boxed{}$

b) $3\frac{3}{16} - \frac{1}{8} = \boxed{}$

e) $4\frac{4}{9} - \frac{4}{27} = \boxed{}$

c) $2\frac{5}{6} - \frac{2}{3} = \boxed{}$

f) $6\frac{11}{12} - \frac{3}{4} = \boxed{}$

Find three different ways to complete the calculation.

$$3\frac{\boxed{}}{5} - \frac{\boxed{}}{20} = 3\frac{1}{20}$$

$$3\frac{\boxed{}}{5} - \frac{\boxed{}}{20} = 3\frac{1}{20}$$

$$3\frac{\boxed{}}{5} - \frac{\boxed{}}{20} = 3\frac{1}{20}$$

Are there any other ways to complete this calculation?

Three children take part in throwing competitions.

Here is the table of results.

	Javelin	Shot Put	Discus
Dexter	$15\frac{1}{4}$ m	$7\frac{5}{12}$ m	
Amir	$13\frac{3}{8}$ m		$12\frac{7}{8}$ m
Annie		9 m	$11\frac{5}{12}$ m

Use the clues to complete the table.

- Annie's javelin throw is $\frac{11}{12}$ m less than Dexter's.
- Amir's shot put throw is $\frac{3}{4}$ m less than Annie's.
- Dexter's discus throw is $\frac{1}{2}$ m less than Amir's

Now, challenge yourself and your friends in year 5 to a Times Tables Rockstars Battle!



Friday

Today you may wish to challenge yourself with the online challenges or the Key Skills tasks! But make sure to have plenty of fun with maths today!

Key Skills

Remember these sheets are only to work from not on so don't worry if you cannot complete a couple of the questions, just read through them instead.

Mild

A: Place Value, Add and Subtract		B: Multiply, Divide and Fractions	
1. What is the missing number? 50 75 125 150	4:1	11. $144 \div 12 =$	4:9
2. What is the missing number? 54 63 72 81	4:1	12. Use $7 \times 13 \times 2 = 182$ to answer: 14×13	4:10
3. What is 1,000 less than 7,345?	4:2	13. $57 \times 5 =$	4:11
4. Round this number to the nearest 1,000: 7,548	4:2	14. Shop A sells 8 pens for £4. Shop B sells 3 pens for £2. Which is cheaper?	4:12
5. Put these numbers in order, smallest first: -4 0 -2	4:3	15. $\frac{1}{5} = \frac{\text{ }{}}{15} = \frac{5}{\text{ }}$	4:13
6. Put these in order, smallest first: 4,384 4,843 4,438	4:4	16. To find $\frac{1}{10}$ of a number, what do you divide it <u>by</u> ?	4:14
7. What number does this Roman Numeral represent? XXXIX	4:5	17. $\frac{13}{5} - \frac{3}{5}$	4:15
8. $3,916 + 4,207 =$	4:6	18. Write $\frac{68}{100}$ as a decimal number.	4:16
9. Write the sum to check $283 + 39 = 322$: $322 - \text{ } = \text{ }$	4:7	19. What is the value of the 5 in: 8.15	4:17
10. Pencils weigh 55g. Pens weigh 73g. How heavy are 1 pencil and 2 pens?	4:8	20. Round 9.6 to the nearest whole number.	4:18
Total (A)		Total (B)	

Medium and Spicy

A: Place Value, Add and Subtract		B: Multiply, Divide and Fractions	
1. Write < or > to make this correct: 1,001,100 1,010,001	5:1	11. Circle all the factors of 32. 3 4 12 16 18	5:8
2. Write 671,109 in words.	5:1	12. What is the only even prime number ?	5:9
3. Round 596,147 to the nearest ten .	5:2	13. $2,093 \times 5$	5:10
4. What is the missing number? 9,980 9,990 10,010	5:2	14. $75.3 \div 1000$	5:11
5. The temperature was -11°C then increased by 9°C . What is it now?	5:3	15. Circle all of the square numbers . 38 49 56 81 90	5:12
6. What number is represented by these Roman Numerals? MLXIX	5:4	16. $\frac{1}{2} - \frac{3}{18} =$	5:13
7. $390,340 + 5,475 =$	5:5	17. Find an equivalent fraction of $\frac{3}{9}$. 	5:14
8. $94,374 - 29,194 =$	5:5	18. Write $\frac{23}{2}$ as a mixed number .	5:15
9. Complete this sum without written working. $13,750 - 6,250 =$	5:6	19. $1\frac{3}{8} \times 5 =$	5:16
10. DVDs are £12.89 each. If I buy 2, how much change do I get from £30?	5:7	20. Round 12.56 to 1 decimal place.	5:17
Total (A)		Total (B)	