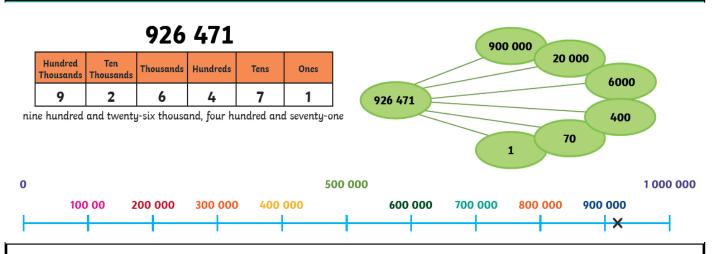
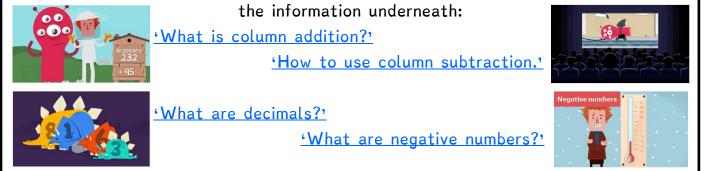
Year 6 Maths Prompts: 18th – 22nd May and 1st– 5th June 2020

During these 2 weeks we are revisiting our addition and subtraction knowledge. This includes decimals and fractions, so these pages of maths prompts are here to provide you with key reminders on these topics too. Where relevant, we have included links to websites where you can watch videos and / or read through additional information before tackling the tasks that you have been assigned on mathletics and Purple Mash.



Mrs Town's maths group may find these BBC Bitesize learner's guides helpful reminders; for one each there is a video to watch then you can scroll down to read



Add and Subtract Whole Numbers

Column Method

	4	5	8	6	4
+	2	3	4	9	7
	6	9	3	6	1
		1	1	1	

Starting with the ones, add each column in turn. Regroup tens, hundreds, thousands, ten thousands as required.

	3	5	⁶ 7	¹³ /4	¹ 2
-		3	4	7	6
	3	2	2	6	6

Starting with the ones, subtract each column in turn. Exchange tens, hundreds, thousands and/or ten thousands as required.



Estimating the answer before you attempt a calculation is key to spotting or avoiding errors in your addition and subtraction work.

Some useful BBC Bitesize learner's guides: <u>How to round numbers.</u> <u>How to round decimal numbers.</u> <u>How to use estimation to check your answers.</u>

Rounding twinkl visit twinkl com Rounding to the nearest 10 20 21 22 23 24 25 26 27 28 30 29 round up round down Rounding to the nearest 100 200 - 249 250 > 300 round down round up Rounding to the nearest 1000 2000 ┥ 2499 2500 -▶ 3000 round down round up Rounding to the nearest 10 000 20 000 < 25 000 -→ 30 000 round down round up Rounding to the nearest 100 000 <u>249 999</u> 250 000 → 300 000 200 000 🗲 round down round up Rounding to the nearest 1 000 000 2 000 000 < 2 499 999 round down round up

Rounding and estimating

Decimals Reminders:

Place Value									
Ten	s	Ones		 tenths 		hundredths		thousandths	
				0.001 0.001					
$3 + \frac{4}{10} + \frac{2}{100} + \frac{6}{1000} + \frac{3.426}{3.426} + 3 + 0.4 + 0.02 + 0.006$									
1	2	3	4	5	6	7	8	9	
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	
0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	
twinkl visit twinkl.com									

Place value is the most important thing when adding and subtracting decimals; as long as you have your digits in the correct place then the method is the same.

It is also important to remember the connections between fractions and decimals (and % too, but we will look at that next time).

or 0.04

7

⁶0

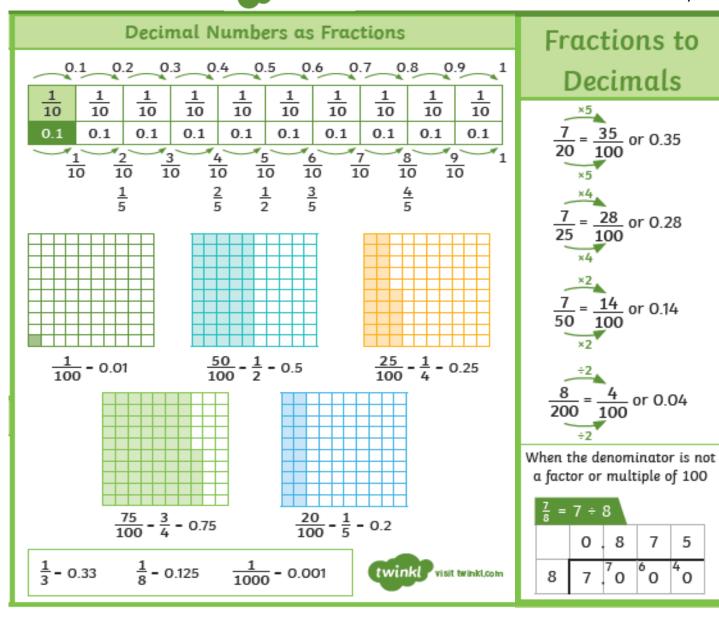
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40

100

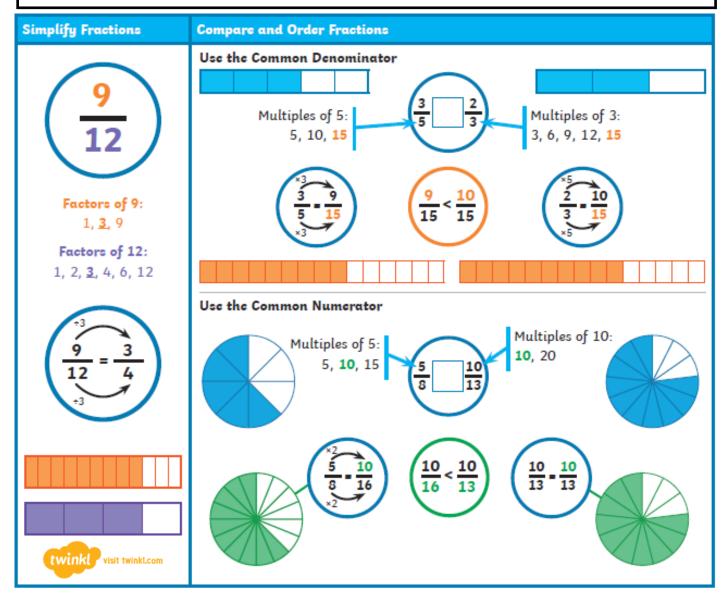
8

0

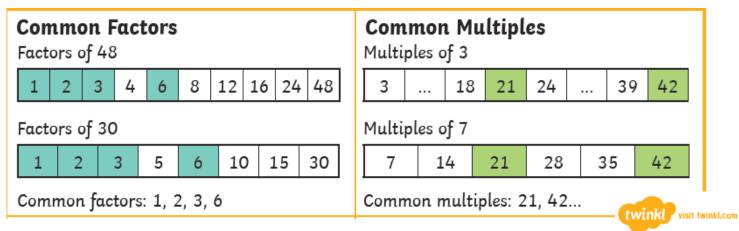


Fractions Reminders / Prompts:

Here are some basic reminders about fractions (taken from twinkl.com). For further support with this, click here https://whiterosemaths.com/homelearning/year-6/ – go to 'Summer Term-Week 3 (w/c 4th May) and watch the videos for simplifying and comparing fractions (Lesson 1 and Lesson 2.) OR this simple BBC Bitesize learner's guide.



As a part of our last adventure trail, we revised factors. When working with fractions we use these and multiples frequently. If you are still feeling a little wobbly on factors have a look a the <u>BBC</u> <u>Bitesize</u> learner's guide to help you feel a little more confident.

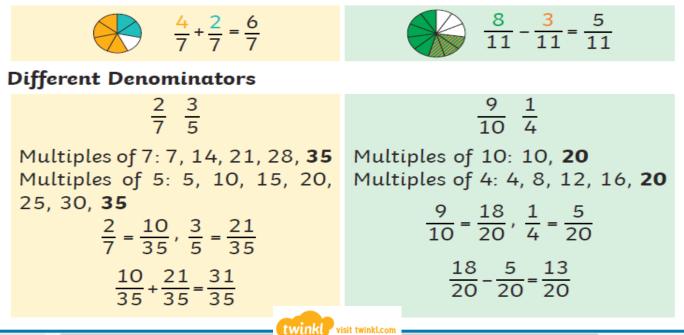


Below you will find examples taken from twinkl.com on how to add and subtract fractions. For further support with this, click here <u>https://whiterosemaths.com/homelearning/year-6/</u> -

go to 'Summer Term-Week 3 (w/c 4th May) and watch the videos for adding and subtracting fractions (Lesson 3 and Lesson 4.) OR this simple <u>BBC Bitesize learner's guide.</u>

Adding and Subtracting Proper Fractions

Same Denominators



Adding and Subtracting Mixed Numbers

Add or subtract the whole numbers and fractions separately.

$2\frac{2}{5}+1\frac{3}{10}$	$2\frac{1}{2}-1\frac{1}{4}$		
2+1=3	2-1=1		
$\frac{2}{5} + \frac{3}{10} = \frac{4}{10} + \frac{3}{10} = \frac{7}{10}$	$\frac{1}{2} - \frac{1}{4} = \frac{2}{4} - \frac{1}{4} = \frac{1}{4}$		
$3 + \frac{7}{10} = 3\frac{7}{10}$	$1 + \frac{1}{4} = 1\frac{1}{4}$		

Convert the mixed numbers to improper fractions.

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

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

$$2\frac{2}{5}=\frac{12}{5}$$

$$1\frac{3}{10}=\frac{13}{10}$$

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

$$1\frac{1}{4}=\frac{5}{4}$$

$$\frac{12}{5}+\frac{13}{10}=\frac{24}{10}+\frac{13}{10}=\frac{37}{10}$$

$$\frac{5}{2}-\frac{5}{4}=\frac{10}{4}-\frac{5}{4}=\frac{5}{4}$$

$$\frac{5}{4}=1\frac{1}{4}$$
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