Some reminders before you begin this week:

Multiplying fractions by integers

We already know that 'x' and 'of' mean the same when it comes to fractions, however we need to be mindful of when each one is most useful.

$$\frac{6}{12} \times 144 = \frac{6}{12} \text{ of } 144$$

$$144 \div 12 = 12$$

$$12 \times 6 = 72$$

x

$$\frac{6}{12} \times 144 = \frac{864}{12} = 72$$

In this situation, we would use the 'of' method as it is much easier due to the fact that denominator is a factor of the integer (plus, simplifying 864/12 is hard!)

$$\frac{2}{5} \times 3 = \frac{2}{5} \text{ of } 3$$

$$3 \div 5 = 0.6 \text{ or } \frac{3}{5}$$

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

x

$$\frac{2}{5} \times 3 = \frac{6}{5} \text{ or } 1\frac{1}{5}$$

Remember x is the same as repeated addition too, so:

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

Repeated addition can be used here as the integer is small.

In this context, using 'of' is much more difficult as the integer is smaller than the denominator, so you will end up with a decimal fraction as your first answer, which can be tricky to work out without a calculator.

Arithmetic Practice – Set a 5 minute timer to complete the 5 questions in each section. You don't have to do all 25 questions in 5 minutes! You can do one section per day or do all at once – but make sure you set your timer for 25 minutes instead! If you have forgotten a method, let me know and I will create a short video to help you remember!

A

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

2. 57,694 + 67, 896 =

3. 3.21 x 3 =

4. 679,329 – 34, 672 =

5. $3^2 =$

B

1. 347 x 6 =

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

3. 9,832 + 124,866

4. $\frac{2}{5}$ x 3 =

5. 3.43 x 3 =

C

1. 34 x 21

2. 784 ÷ 9 =

3. $3\frac{1}{4} + 1\frac{1}{4} =$

4. $\frac{1}{3}$ of ? = 21

5. $9^2 =$

D

1. 879 x 9 =

2. ? ÷ 3 = 1.45

3. $\frac{3}{5}$ x 2 =

4. $12^2 =$

5. 896,932 – 1,859 =

E

1. 65 x 13 =

2. $\frac{2}{7}$ x 3 =

3. ? - $1\frac{1}{3} = 11\frac{1}{3} =$

4. $\frac{3}{5}$ of ? = 15

5. 392 ÷ 6 =

Want some more? If you finish all the work I have uploaded and want some more maths, here are some great places to look for extra work and more practice.

NCETM Home Learning - https://www.ncetm.org.uk/resources/54454#UpperKS2Fractions

They post a daily maths lesson with a video to follow along with. They are brilliant videos and I think you will really enjoy recapping your fractions work with them. Follow the Upper Key Stage 2 videos.

White Rose Maths Home Learning - **https://whiterosemaths.com/homelearning/year-6/**

They post a daily lesson with a video and then some practice questions to follow. The video starts by recapping things they have taught in the previous videos. Some of the videos they have done are things you already know, so it is great to get some practice to remind yourself!

Gareth Metcalfe - http://www.iseemaths.com/lessons56/

Gareth Metcalfe has created some really fun puzzles and games to get your brains twitching! He posts a daily lesson or activity with a video to follow and an activity to complete.

NRICH - https://nrich.maths.org/14600

NRICH is a great website with loads of maths games, puzzles, brain teasers and trick problems to solve. The activities are organised by age range and there are hundreds to choose from! I love this website for ideas for games you could play with your family.