

Wednesday 22<sup>nd</sup> April 2020

To start off today's lesson we are going to recap calculations using all operations

Practise:

- 1)  $17625 + 76253$
- 2)  $809232 - 124627$
- 3)  $18 \times 25$
- 4)  $696 \div 8 =$

Use & Apply

- 1)  $62714 - \underline{\hspace{2cm}} = 14324$
- 2)  $27 \times 10 = 200 + \underline{\hspace{2cm}}$
- 3)  $360 \div 10 = \underline{\hspace{2cm}} \times 6$
- 4) Ishan got £268 for his birthday. Patryk received £165. What is the difference between the 2 amounts?
- 5) A factory needed to make 18,900 toys on Monday, Tuesday and Wednesday. On Monday, they made 5124. On Tuesday, they made 6879. How many more toys do they need to make on Wednesday to reach their target?

This week we will continue to work on 'fabulous fractions.'

Read the question and explain the answer in your books.

WALT - solve problems involving equivalent fractions

**5a. Dwayne has written some equivalent fractions.**

A  $\frac{1}{7} = \frac{4}{28}$

B  $\frac{2}{9} = \frac{14}{18}$

C  $\frac{2}{12} = \frac{2}{6}$

D  $\frac{8}{56} = \frac{1}{8}$

E  $\frac{4}{36} = \frac{1}{9}$

F  $\frac{2}{5} = \frac{10}{25}$

**Find and correct any mistakes.**

6a. Give 2 possible values for A and B.

$$\frac{1}{A} = \frac{B}{24}$$

6b. Give 2 possible values for A and B.

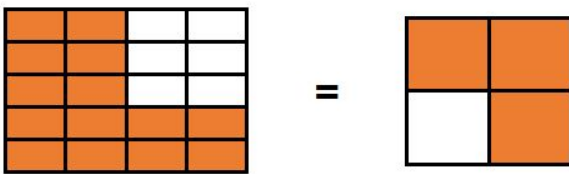
$$\frac{2}{A} = \frac{B}{36}$$

The next set of questions are quite tricky (7a and 7b), work them out by writing out the fraction shown in the picture.

Then use what you know (multiply/divide) to see if the fractions are equivalent.

Are the children partially correct? Is just one set of fractions equivalent?

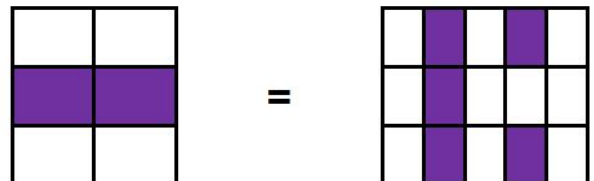
7a. Danyaal has coloured two grids to create an equivalent fraction.



My fractions are equivalent to  $\frac{9}{12}$ .

Is Danyaal correct? Explain your answer.

7b. Lucie has coloured two grids to create an equivalent fraction.



I have shown fractions equivalent to  $\frac{1}{3}$ .

Is Lucie correct? Explain your answer.

9a. Give 2 possible values for A and B.

$$\frac{7}{A} = \frac{B}{64}$$

9b. Give 2 possible values for A and B.

$$\frac{2}{A} = \frac{B}{96}$$

Answers:

5a. B  $\frac{2}{9} = \frac{4}{18}$  ; C  $\frac{2}{12} = \frac{1}{6}$  ; D  $\frac{8}{56} = \frac{1}{7}$

6a. Various answers, for example:

If A =	2	3	4
then B =	12	8	6

6b. Various answers, for example:

If A =	3	4	6
then B =	24	18	12

7a. Danyaal is partly correct.  $\frac{14}{20}$  is not equivalent to  $\frac{9}{12}$ , but  $\frac{3}{4}$  is.

7b. Lucie is correct. She has shaded  $\frac{2}{6}$  and  $\frac{5}{15}$  which are both equivalent to  $\frac{1}{3}$ .

9a. Various answers, for example:

If A =	8	16	32
then B =	56	28	14

9b. Various answers, for example:

If A =	3	4	6
then B =	64	48	32