

Maths answers- 11.5.20

Monday

c $\frac{1}{6} = \frac{3}{12}$ d $\frac{1}{4} = \frac{10}{40}$ e $\frac{2}{7} = \frac{20}{70}$ f $\frac{2}{5} = \frac{8}{20}$
g $\frac{2}{3} = \frac{6}{9}$ h $\frac{1}{2} = \frac{8}{16}$ i $\frac{1}{4} = \frac{2}{8}$ j $\frac{2}{3} = \frac{8}{12}$

Challenge:

Laura is not correct.
They can use bar
models/strip
diagrams to
explain.

Tuesday

A chef ordered twenty-four eggs for her restaurant. $\frac{1}{12}$ of the eggs were used for a chocolate brownie special and $\frac{1}{4}$ of the eggs were used for cooked breakfasts. From the remainder, $\frac{1}{2}$ of the eggs were used for the meringue in an Eton Mess pudding.

- How many eggs were used for the chocolate brownie? **2**
- How many eggs were used for the breakfasts? **6**
- How many eggs were used for the Eton Mess? **8**
- How many eggs were left? **8**

At the county running championships, a school won 12 medals. $\frac{1}{2}$ of the medals were gold, $\frac{1}{3}$ of the medals were silver and $\frac{1}{6}$ of the medals were bronze.

- How many medals were gold? **6**
- How many medals were silver? **4**
- How many medals were bronze? **2**

At the local triathlon, which includes cycling, running and swimming, competitors travel a total distance of 15km. $\frac{2}{3}$ of the distance is cycling.

- How far do the competitors cycle? **10km**
- What distance is left for running and swimming? **5km**

Challenge:

False. Divide the
whole by 8 to find
one part and then
multiply your
answer by three
because we want
to find three parts.

Wednesday

- How many different ways can you complete the calculations?

$$\frac{\square}{7} - \frac{3}{7} = \frac{\square}{7} + \frac{\square}{7}$$

$$\frac{\square}{7} - \frac{3}{7} = \frac{\square}{7} - \frac{\square}{7}$$

Children may give a range of answers as long as the calculation for the numerators is correct.

2. $6/7 + 4/7 =$

3. $5/6 - 4/6 =$

4. $13/20 + 11/20 =$

5. $16/20 - 9/20 =$

6. $7/12 + 2/12 =$

10/7 or 1 whole 3/7

1/6

24/20 or 1 whole 4/20

7/20


9/12

Challenge:

They are both correct. Lennox has added $\frac{6}{13} + \frac{7}{13}$ to make a whole and then added $\frac{5}{13}$

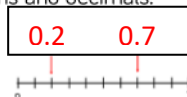
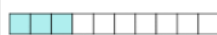
Thursday

Complete the table.

Image	Words	Fraction	Decimal
	Six tenths	6/10	0.6
	Five tenths	5/10	0.5
	Nine tenths	9/10	0.9

Write the numbers shown as fractions and decimals.

$3/10$
0.3



Draw or make representations of:

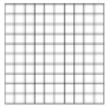
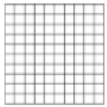
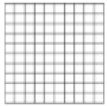
0.4 0.8 0.1

What's the same about all the decimals?

What's different?

Children could draw cubes as above or they could use tens frames like in the grid.

Complete the table.

Image	Words	Fraction	Decimal
	56 hundredths	$\frac{56}{100}$	0.56
	17 hundredths	$\frac{17}{100}$	0.17
	32 hundredths	$\frac{32}{100}$	0.32

Write the number as a fraction and as a decimal.



4/100 and 0.04

Challenge:

Tamina is wrong as she has mistaken hundredths for hundreds.