

26.1.21

Arithmetic

1. 24×23

4. $329 + 10,078$

2. 7^2

5. $3,021 - 159$

3. $1,271 \div 3$

6. $\frac{2}{3}$ of 12

FB4

Flashback 4

Year 6 | Week 3 | Day 4



- 1) Write one quarter as a percentage.
- 2) Work out 7×0.09
- 3) Multiply $\frac{1}{4}$ by 3
- 4) What is the 6 worth in the number 4, 623?



Problems of the Day

Problems of the Day 2020

Day 2

1 Ron and Eva each make a 3-digit number from these digit cards.



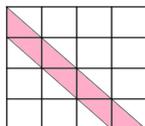
- Ron makes the largest even number possible.
- Eva makes the smallest odd number possible.

What is the difference between their numbers?

2 Circle all the fractions that are greater than 1 but less than 2

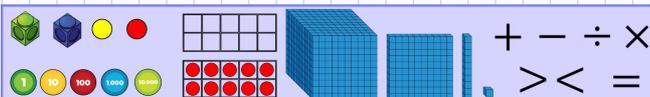
$\frac{12}{5}$ $\frac{12}{6}$ $\frac{12}{7}$ $\frac{12}{8}$

3 What fraction of this shape is shaded?



Place value is very important when looking at equivalent fractions, decimals and percentages (FDP).

Some people think that 0.1 is equivalent to 1%

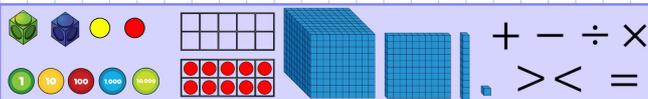


Some people think that 0.1 is equivalent to 1%



0.1 = 1 tenth (and there are ten tenths in 1 whole one). = $\frac{1}{10}$

$\frac{1}{10}$ = one part out of ten

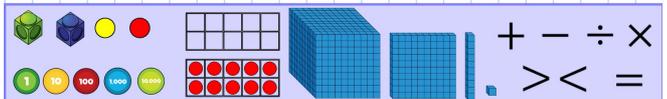


0.1 = 1 tenth (and there are ten tenths in 1 whole one). = $\frac{1}{10}$



$\frac{1}{10}$ = one part out of ten = 0.1

1% = 1 part out of one hundred = $\frac{1}{100}$ = 0.01

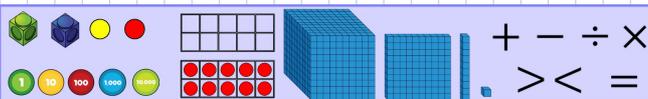


To convert a decimal to a fraction can help us then to convert to a percentage.



0.15 = 15 hundredths = $\frac{15}{100}$ = 15%

0.3 = 3 tenths = 30 hundredths = $\frac{30}{100}$ = 30%



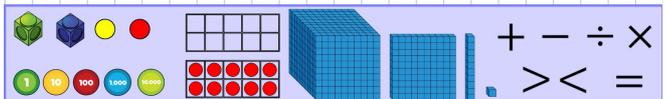
We can convert fractions to equivalent fractions which are hundredths.



$\frac{20}{50} \stackrel{\times 2}{=} \frac{40}{100} = 0.40 = 40\%$

What we need to multiply the denominator by to turn it into 100, we need to multiply the numerator by.

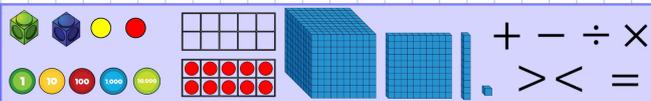
$\frac{2}{5} \stackrel{\times 20}{=} \frac{40}{100} = 40\%$



Converting a percentage to a decimal looks like this.



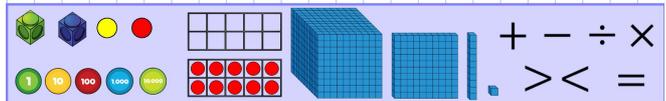
$$7\% = 0.07$$
$$42\% = 0.42$$
$$87\% = 0.87$$
$$50\% = 0.5 \text{ or } 0.50$$
$$100\% = 1$$
$$3\% = 0.03$$



Greater than, equal to or less than



$$43\% > 0.25$$
$$3\% = 0.03$$
$$2\% < 0.2$$



26.1.21 Division with decimal remainders

Vocabulary

- place value
- fraction
- decimal place
- percentage
- column
- equivalent

26.1.21 Equivalent FDP

Today we are learning to identify equivalent fractions, decimals and percentages.

I will be successful if:

- I identify the fraction as an equivalent
- hundredths
- I recognise the value of each decimal place
- I can identify how many parts of the whole I have.

26.1.21

Plenary

True or False?

True or False?

Equivalent FDP

$$0.7 = 7\%$$

White Rose Maths

A whiteboard with a teal border. At the top left, the words 'True or False?' are written in colorful, rounded letters. At the top right, the text 'Equivalent FDP' is written in a small font. In the center, the equation $0.7 = 7\%$ is written. In the bottom right corner, there is a small circular logo for 'White Rose Maths'.