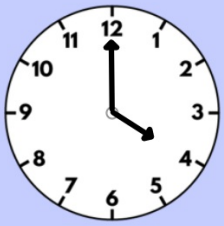
19.1.21

Identify the time on the clocks

1. 

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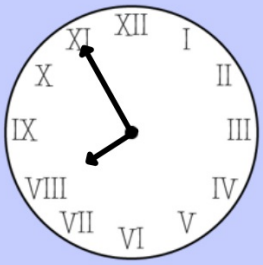
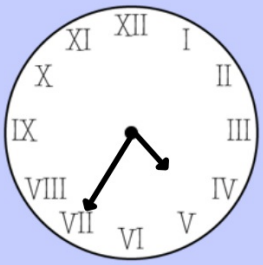
3. 

4. 

5. 

6. 

FB4

Flashback 4

Year 6 | Week 2 | Day 4

1) What is 0.06×7?

2) Work out $140 \div 100$

3) Work out $3\frac{1}{2} - 1\frac{7}{8}$

4) Put these lengths in ascending order.

350 metres $\frac{1}{2}$ metre 3 km

White Rose Maths

Barvember

BARVEMBER

Tuesday 27 November 2018

White Rose Maths

1 A chicken lays 6 eggs per week.

How many eggs does the chicken lay in 5 weeks?

2 Sarah has £184

She gives Georgia £39

They now have the same amount of money.

How much did Georgia have at the start?

Barvember

BARVEMBER

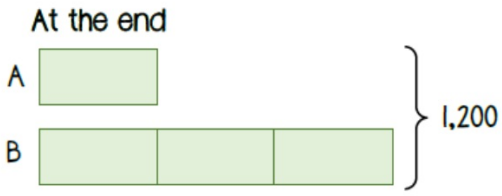
Tuesday 27 November 2018

White Rose Maths

3 Lena has 2 boxes of buttons, A and B.

- There are 1,200 buttons in total.
- Lena moves 360 buttons from box A to B.
- There are now 3 times as many buttons in box B than box A.

How many buttons were in box A at the start?

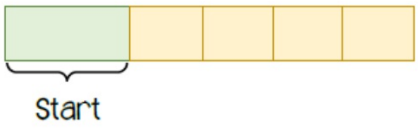


4 Flo has some money in a moneybox.

Each day she puts £2.80 into her moneybox.

After 4 days she had £18.30 in her moneybox.

How much money did she have in her moneybox at the start?



19.1.21

Fractions to decimals

Vocabulary

- place value
- division
- decimal place
- column
- fraction
- numerator
- denominator

19.1.21 Three Decimal places

Today we are learning to turn fractions into decimals.

I will be successful if:

- Divide the numerator by the denominator
- I identify the place value
- I line up the decimal point
- I add the zero in the correct place after the decimal point
- I recognise the number of decimal places
- I know when to round up or down

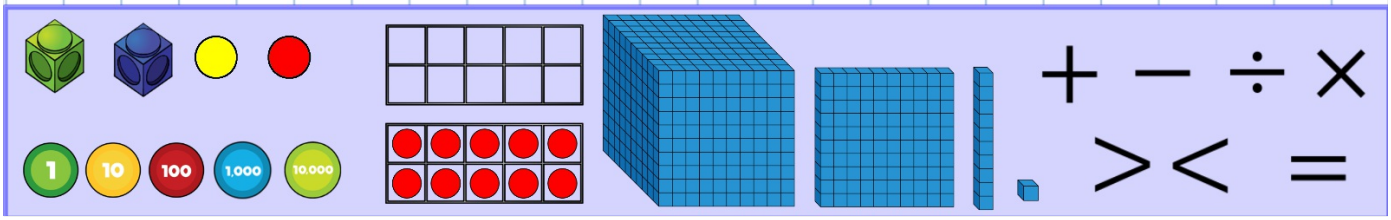
Let's remind ourselves of the division vocabulary.

dividend $24.5 \div 5 = 4.9$ quotient

divisor

Some key vocabulary

$$5 \overline{)24.5} \quad 04.9$$



Let's remind ourselves of the division method.

1. How many 5s in 2? 0

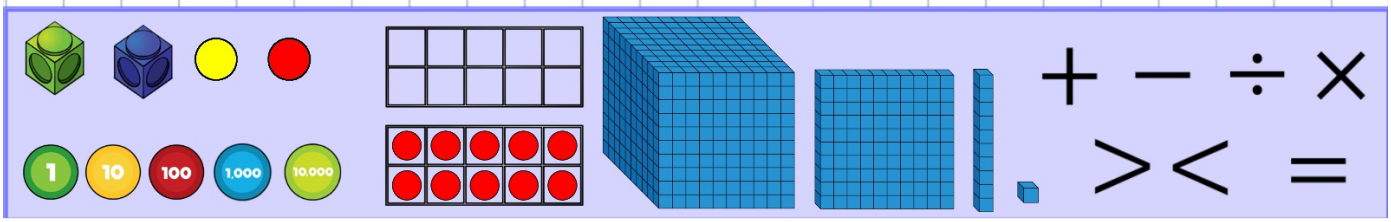
$$\begin{array}{r} 04.9 \\ 5 \overline{)\,2^{2}4.^{4}5} \end{array}$$

2. Carry the 2

3. How many 5s in 24? 4 remainder 4

4. Line up the decimal point.

5. How many 5s in 45? 9



$$\begin{array}{r} 06.75 \\ 4\overline{)27^{2}.^{3}0^{2}0} \end{array}$$

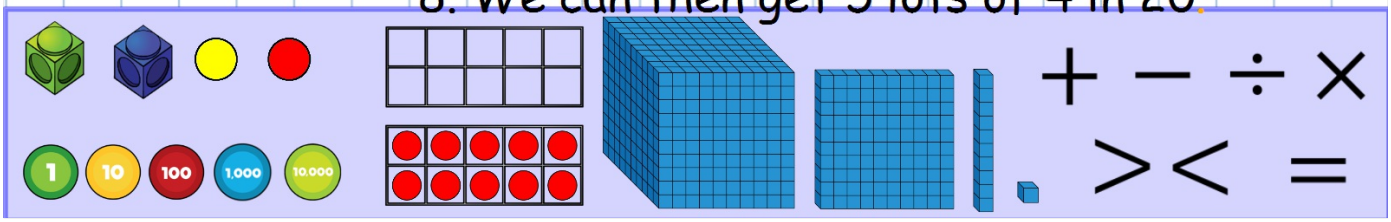
1. There are 0 4s in 2.
2. Carry the 2.
3. There are 6 lots of 4 (=24) in 27.
4. This gives a reaminder of 3 to carry over.
5. We don't have any digits left, but we can add a decimal point and 0s

This is because 27 is the same as 27.00000

We can add as many 0s as we need (after the decimal point)

We must also add a decimal point above the line (for our answer).

6. Carry the 3 (to make 30)
7. We can get 7 lots of 4 in 30 (=28, with remainder of 2.
8. We can then get 5 lots of 4 in 20.



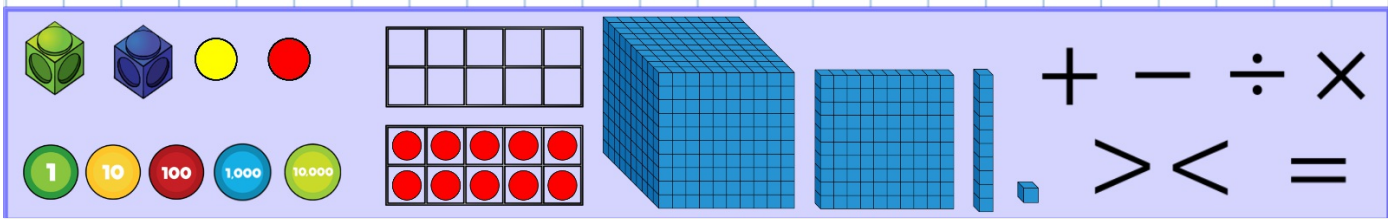
If we look at a fraction

e.g. $\frac{1}{5} = 1 \div 5 = 5\overline{)1}$

denominator

numerator

This means 1 out of 5 parts, but the line between the numerator and denominator also means divide.



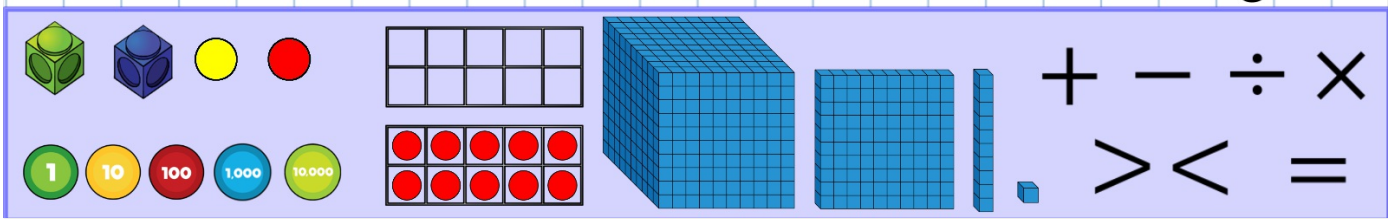
$$5 \overline{)1^{1}.0} \quad 0.2$$

Bus stop method to convert from fractions to decimals

1. There are 0 4s in 1.
We don't have any digits left, but we can add a decimal point and 0s (like yesterday).
2. Carry the 1.
3. There are two 5s in 10
4. We don't have a remainder, so the answer is 0.2

as a decimal = 0.2

0.2 = 2 tenths which = $\frac{2}{10}$ can then be simplified to $\frac{1}{5}$



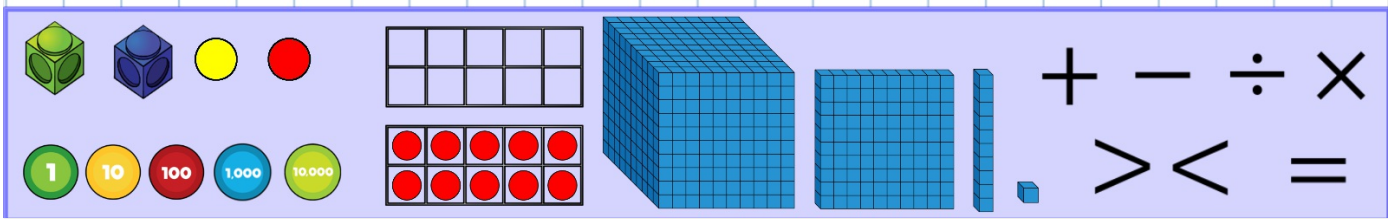
Bus stop method to convert from fractions to decimals

Using this method, the fractions would be set out like this:

$\frac{3}{10} = 10\overline{)3.0}$

You may need more 0s.

$\frac{2}{7} = 7\overline{)2.0}$



If we find that we still have remainders after 3 decimal places, we can calculate the 4th decimal place and then see if we need to round up or down.

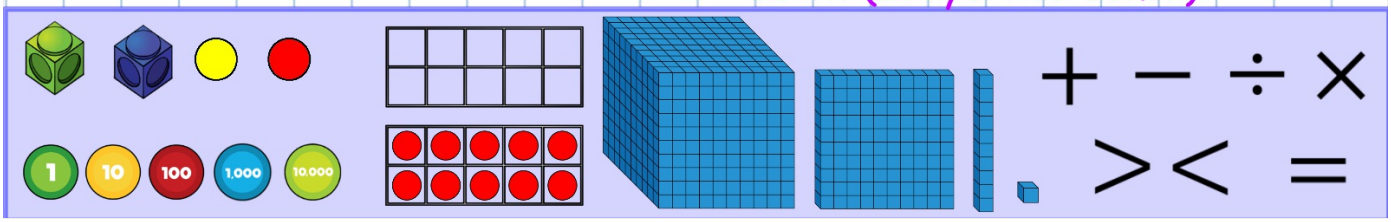
5,6,7,8,9 Round up

$2.3779 = 2.378$ Because the 4th digit is 9, we round the previous digit (7) up

$15.0145 = 15.015$ Because the 4th digit is 5, we round the previous digit (4) up

1,2,3,4 Round down

$9.7862 = 9.786$ Because the 4th digit is 3, we round the previous digit (6) down (stays the same)



19.1.21 Fractions to decimals

Please convert the fractions below into tenths, hundredths or thousandths and then into a decimal.

e.g. $\frac{1}{5} = \frac{2}{10}$ = 2 tenths = 0.2

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

2. $\frac{9}{20}$

3. $\frac{12}{200}$

4. $\frac{21}{200}$

19.1.21 Fractions to decimals

Complete A, B or C using the bus stop method

(record up to 3 decimal places)

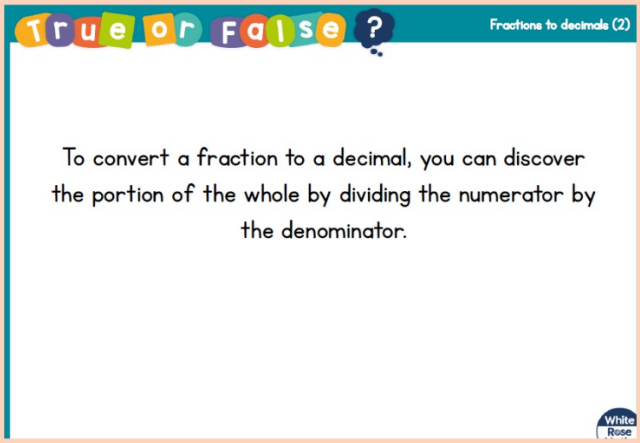
A		B		C	
5. $\frac{4}{5}$	9. $\frac{3}{6}$	5. $\frac{3}{4}$	9. $\frac{7}{9}$	5. $\frac{5}{8}$	9. $\frac{9}{14}$
6. $\frac{2}{3}$	10. $\frac{6}{10}$	6. $\frac{5}{8}$	10. $\frac{3}{12}$	6. $\frac{6}{7}$	10. $\frac{12}{13}$
7. $\frac{3}{4}$	11. $\frac{4}{11}$	7. $\frac{5}{6}$	11. $\frac{7}{11}$	7. $\frac{7}{9}$	11. $\frac{3}{21}$
8. $\frac{1}{5}$	12. $\frac{3}{8}$	8. $\frac{6}{7}$	12. $\frac{7}{12}$	8. $\frac{5}{12}$	12. $\frac{17}{20}$

19.1.21

Plenary

There are two 'True or False' statements today.

1.



2.