28.1.21

Arithmetic

1. $471 \div 8$

2. $4{,}010 - 99$

3. $17 + 2{,}008$

4. 31×14

5. 5^3

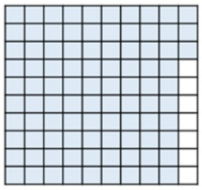
6. $\frac{3}{4}$ of ? = 6

FB4

Flashback 4 — Year 6 | Week 4 | Day 1

1) Which is bigger, 35% or 0.6?

2) What percentage is shaded?



3) Work out $3\frac{4}{5} - 2\frac{3}{10}$

4) Divide 2,496 by 8

White Rose Maths

Problems of the Day

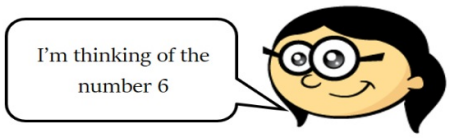
Problems of the Day 2020

Day 4

1 What are the missing digits?

$$\boxed{3}\boxed{} + \boxed{}\boxed{5} = \boxed{1}\boxed{1}\boxed{1}$$

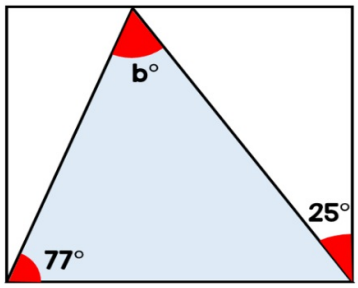
2 Annie and Ron each think of a number.



The product of their numbers is 762

Work out Ron's number.

3 Find the size of angle b.



White Rose Maths

Finding the percentage of an amount

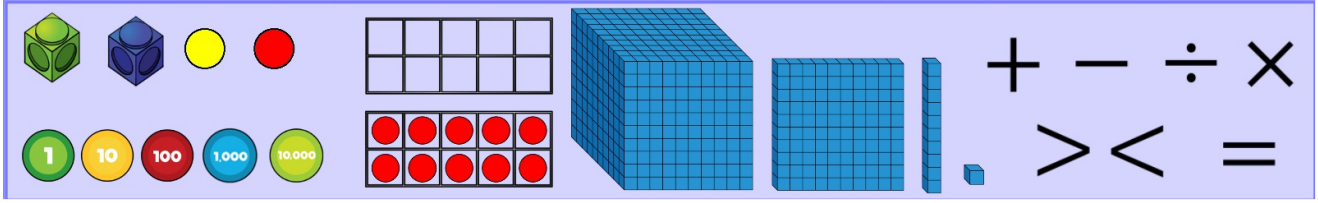
White Rose Maths

100% = the whole amount

50% = half

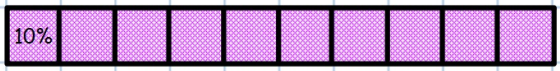
25 = a quarter

These are good facts to remember as they can help you to check if your answer is possible.

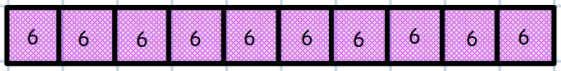


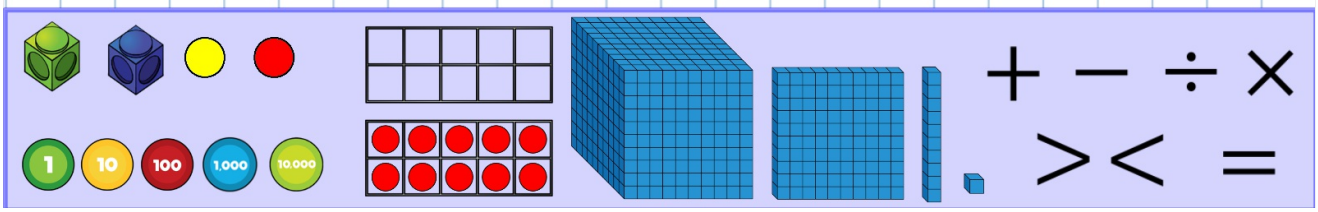
Finding the percentage of an amount

To find 10%, we divide the number by 10.



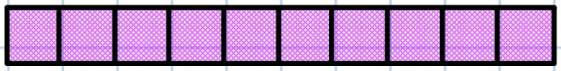
If the whole amount was worth 60, each box (10%) would be worth 6.





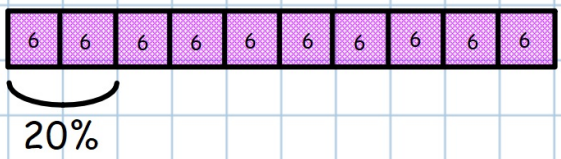
Finding the percentage of an amount

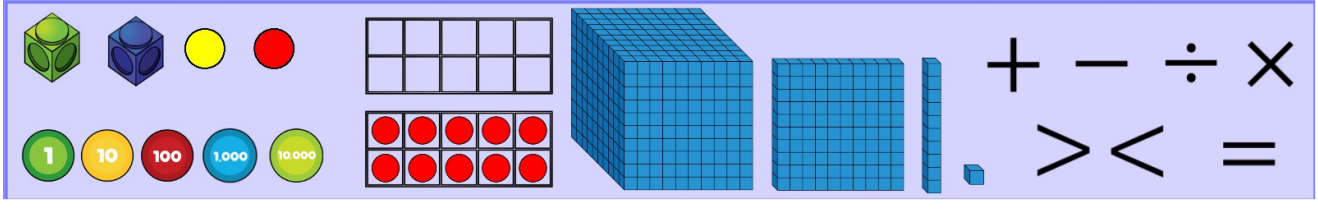
Once we have found out what 10% is, we can find out any multiple of ten.



10% = 6

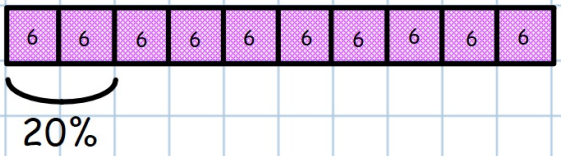
To find 20%, we would need two lots of 10% (2 lots of 6) = 12



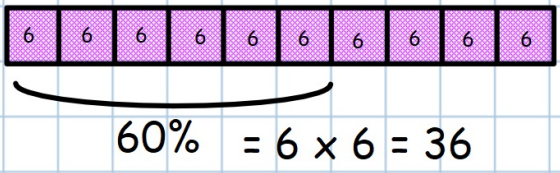


Finding the percentage of an amount

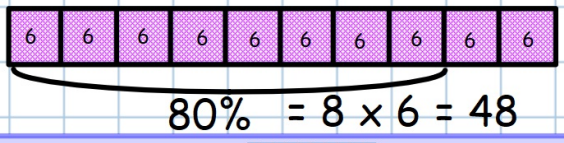
10% = 6

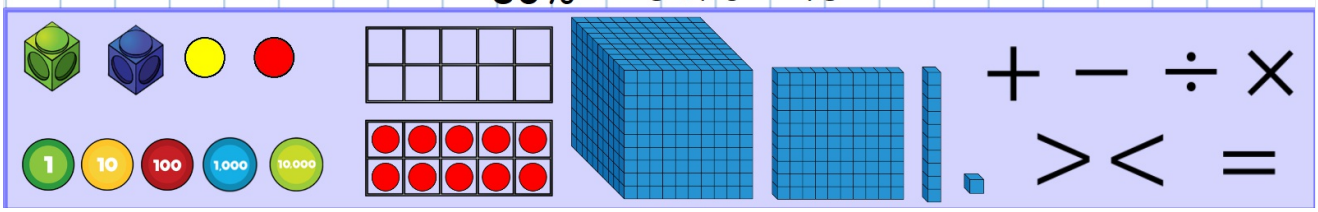


So 60% =
6 lots of 10%

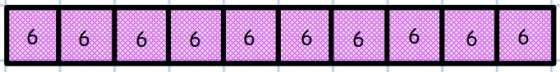


80% =
8 lots of 10%





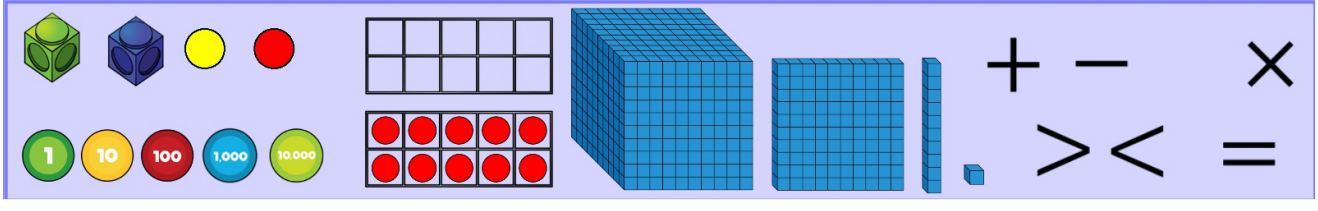
Finding the percentage of an amount



To find 1% of
an amount we could divide it by 100

OR we could find 10%
and divide the 10% by 10.

This is because there are ten lots of '1%' in 10%



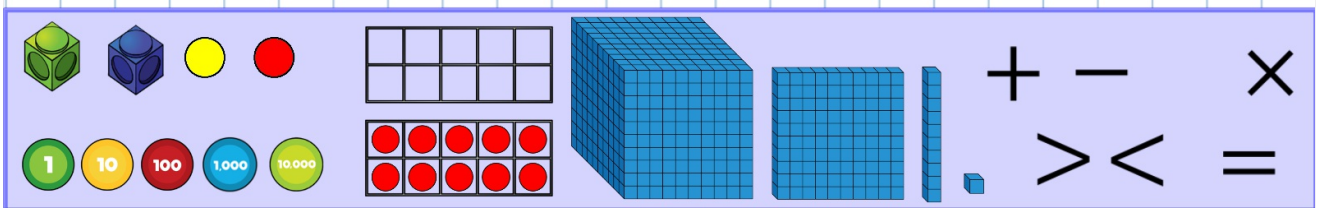
Finding the percentage of an amount

If the whole amount was 500, then 10% = 500 ÷ 10 = 50

To find 1% of 500 we could divide 500 by 100 (=5)

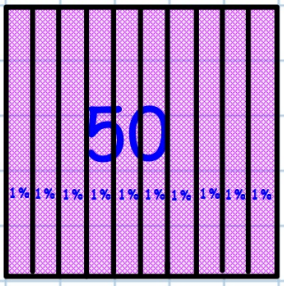
We can do this easily as the whole amount (500) is a hundreds number.

Or we could divide 10% (50) by 10 = 5



Finding the percentage of an amount

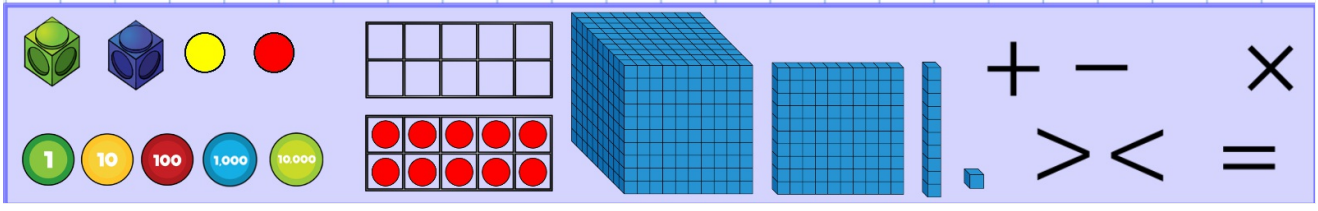
We can see that last step better, if we enlarge the 10% box



10% divided by 10 = 1%

so 50 divided by 10 = 5

1% = 5



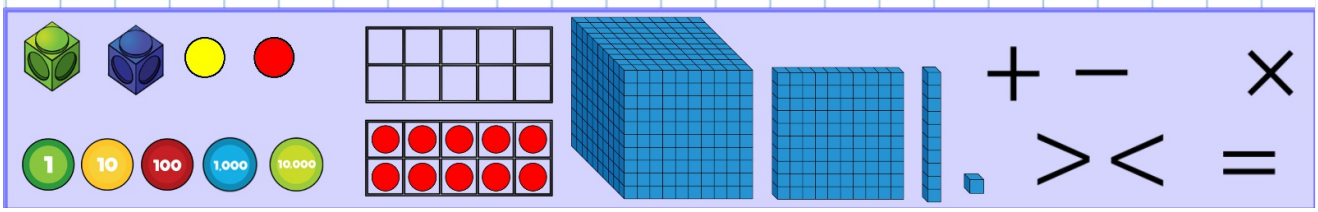
Finding the percentage of an amount

Finding 10% and then 1% helps when the number isn't a hundreds number e.g. 240

10% = 24

24	24	24	24	24	24	24	24	24	24

To find 1% we could divide 10% (24) by 10 = 2.4



Finding the percentage of an amount

Finding 10% and then 1% helps when the number isn't a hundreds number e.g. 240

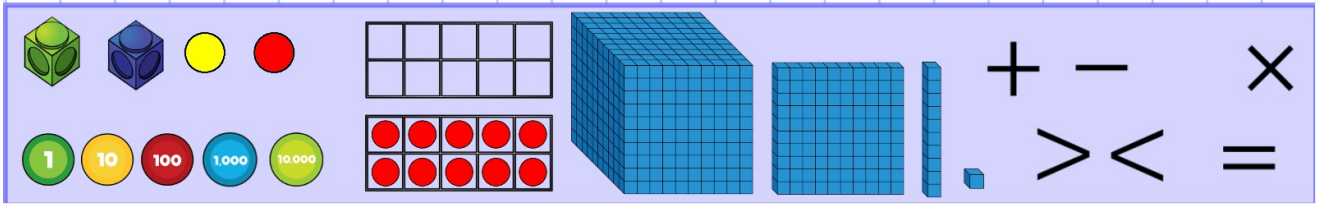
10% = 24

24	24	24	24	24	24	24	24	24	24

To find 1% we could divide 10% (24) by 10 = 2.4

If we wanted to find out what 5% is,
we could find half of 10%

Half of 24 = 12, so 5% = 12



Finding the percentage of an amount

10% = 24

24	24	24	24	24	24	24	24	24	24

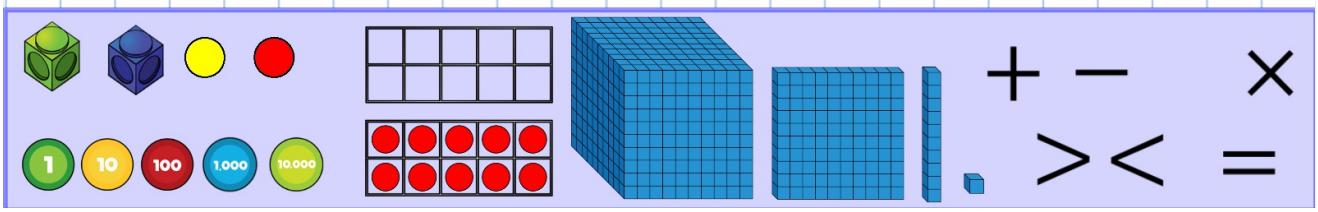
To find 1% we could divide 10% (24) by 10 = 2.4

Half of 24 = 12, so 5% = 12

If we wanted to find out what 12% is, we could find 10% and find out what 1% is (we would need 2 lots of 1%)

12% = 10% + 1% + 1%

= 24 + 2.4 + 2.4 = 28.8



28.1.21

Percentage of an amount

Vocabulary

- percent
- whole
- parts of one hundred
- tenth
- hundredth
- partition
- parts

28.1.21 Percentage of an amount

Today we are learning to find a percentage of an amount.

I will be successful if:

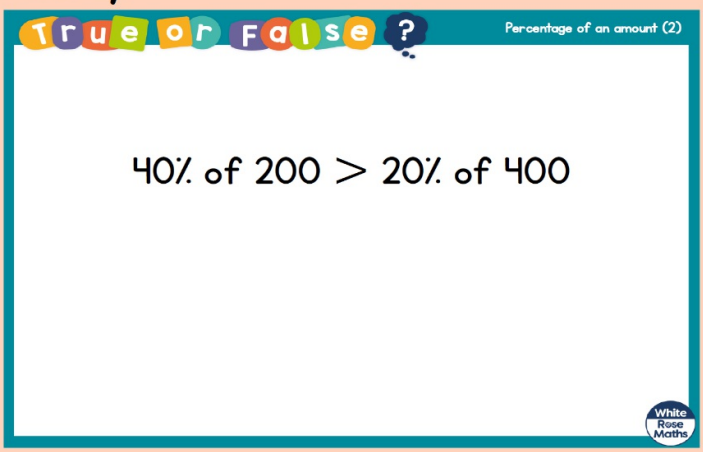
- I identify 10% as a tenth of the amount
- I identify 1% as a tenth of 10%
  I can partition the percntage into tens and ones.

28.1.21

Plenary

True or False?

1.



2.