## DEvELOPINg NUMBER...

## @whisto maths

## What do I need to be able <br> Ito do? <br> By the end of this unit you should be able to: <br> - Round numbers to powers of 10 and 1 sf <br> - Round numbers to any dp <br> - Estimate solitions <br> - Calculate using order of operations <br> I Caculate with money units of measurement and time



## Round to powers of 10 and I sig. figure $R$ if the number is haffay between we "round up" <br> 5495 to the nearest 1000 <br> 5475 to the nearest 100 <br> 5000 个 $\quad 6000$ <br> 5400 个 5500 <br> 5475 to the nearest 10

370 to I significant figure is 400 37 to I significant figure is 40 3.7 to I significant figure is 4 0.37 to I significant figure is 0.4 0.00037 to I significant figure is 0.0004


I 'To Idp" - to one number atter the decinal | "To $2 d p^{\prime}$ - to two rumbers after the decimal 2.46192 (to (dp) - st this clsere to 24 or 25

24 $\square$
| 2.46192 (to ladp) - 1 sthis coser to 246 or 247

## Order of operations

 Brackets operations in brackets are calululed first 10 1 Mutipication / Division| They are carried out in the order from left to right in the | question
Iaddition/ Subtraction
They are carried out in the order from left to right in the question

Focus on the numbers after the decimal point

Estimate the calculation
$4.2+6.7 \approx 4 .+7 \approx 11$
The equal sign changes to show it is an estimation
$21.4 \times 3.1 \approx 20 \times 3 \approx 60$ This is an underestimate because both vales were rounded dom
It is good to check all calculations with an estimate in all aspects of maths - it helps you identify calcuation errors.


