

Thursday 9<sup>th</sup> July 2020

Place Value

Hi Yachts!

Mental Maths

Choose the best option for you then solve the problem in your head:

Option 1: Write four addition calculations with the answer 32

Option 2: Write four subtraction calculations with the answer 32

Option 3: Write four multiplication calculations with the answer 32

Use the RUCSAC method to solve the problems:



Read

Read the question carefully.



Underline

Underline or write down the keywords and numbers.



Choose

Choose the correct operation (+ - x or ÷) and a mental or written method of calculation (you could use diagrams).



Solve

Solve it! Make sure you follow the steps carefully.



Answer

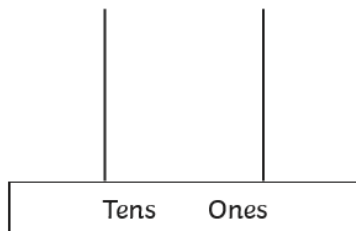
Check that you have answered the question properly. What did you need to find out in the first place?



Check

Check your answer. Use the inverse calculation or another checking technique (was it close to your estimate?)

1. The children have forgotten which numbers they made on the abacus. Can you work out which of the numbers below each person made using the clues?



21	5	10	22	11
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Umayyah's number has 5 beads.

Yasmin's number has 2 beads.

Pam's number has 1 bead.

Saul's number has 3 beads.

Gemma's number has 4 beads.

2. Ricky says, "Write a number following these rules:  
The tens digit must be 4 more than the ones digit  
The tens digit must be 3 less than the hundreds digit."  
How many different answers can you find?
3. Mo says, "Write a number following these rules:  
The ones digit must be double the tens digit  
The ones digit must be half of the hundreds digit."  
How many different answers can you find?
4. Carolyn says, "Write a number following these rules:  
The hundreds digit must be 7 less than the ones digit  
The hundreds digit must be 5 less than the tens digit."  
How many different answers can you find?

### Challenge

5. If 10 thousands cubes fit into a box, how many of the following will fit into the box:
- Hundreds
  - Tens
  - Ones

