Wednesday 15th July 2020
Yearly Round-up

Hi Yachts!

Mental Maths

Choose the best option for you then solve the problem in your head before writing it down:

Option 1: Write four addition calculations with the answer 56

Option 2: Write four subtraction calculations with the answer 56

Option 3: Write four multiplication calculations with the answer 56

Choose which set of problems to solve and use the RUCSAC method to help you:

R	**Read**	Read the question carefully.
U	**Underline**	Underline or write down the keywords and numbers.
C	**Choose**	Choose the correct operation (+ - x or ÷) and a mental or written method of calculation (you could use diagrams).
S	**Solve**	Solve it! Make sure you follow the steps carefully.
A	**Answer**	Check that you have answered the question properly. What did you need to find out in the first place?
C	**Check**	Check your answer. Use the inverse calculation or another checking technique (was it close to your estimate?)

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1. At the fair's Duck Stall, you win a prize by counting in 3s from 0 and circling each duck you land on. Look at the four ducks below. Which ones would you circle?

   24   15   19   26

2. Each token shows the number of points I have won. How many points have I won in total?

   13   10   10   10

3. 20 is the winning score. Can you circle the two basketballs which would give you the winning score?

   13   11   8   7

4. Trey and Emily each bought an identical bottle of water. Trey drank ½ of his bottle of water and Emily drank two quarters. Who drank the most? Use a diagram to help you.
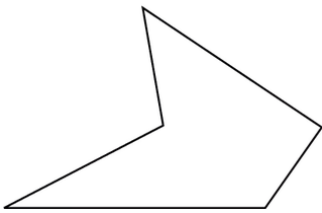
5. On sports day, Obafemi and Carl took part in a running race. Obafemi ran 38m and Carl ran 23m. What is the sum of their distances?

6. Jamil has won 3 lots of £40 and wants to know how much she has altogether. How can she use 3 x 4 to help her work this out?

7. It's Breanna's birthday. Breanna eats $2/7$ of the cake and her friends eats $3/7$. What fraction of the cake has been eaten in total? Use the diagram below to help you.

8. A farmer is building a new cage for the chickens she has bought. Circle the angles which are <u>less</u> than a right angle.

Challenges

9. A farmer needs to solve the calcuation below so that he knows how many equal rows of cows he will have. Can you help him?

 ____ x ____ = 72

10. The farmer needs to hand feed the lambs. He can feed 10 lambs with 1 bucket costing £23. How much does it cost to feed one lamb?

11. One third of Tom's chicken are Golden Comets. He has 567 chickens. How many are Golden Comets?

12. There must be a one metre space between each parked car in a car park. One car was parked 0.6m too far to the left. Help the car park staff to work out how much to move the car by completing this calculation.

 0.6m + ?m = 1m