Thursday 16th July 2020

Yearly Round-up

Hi Yachts!

Mental Maths

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

Option 1: How much is $^1/_4$ of 28? How much is $^2/_4$ of 28?

Option 2: How much is $^1/_7$ of 77? How much is $^5/_7$ of 77?

Option 3: Which fractions are equivalent to $^2/_3$?

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

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).

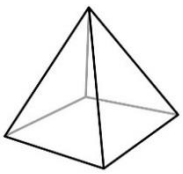
Solve — Solve it! Make sure you follow the steps carefully.

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

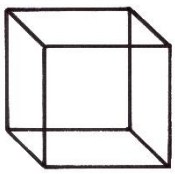
Check — Check your answer. Use the inverse calculation or another checking technique (was it close to your estimate?)

1. In order to win the prize in the 'Crazy Shape' game, Carl had to throw a hoop around a quadrilateral. Circle the winning shape below.

2. The aim of the game is to hit each face of the spinning 3D objects with the soft ball. Which shape has more faces to hit?

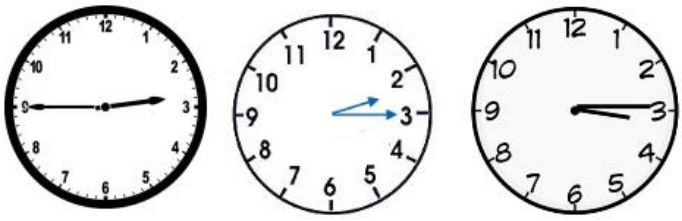


Shape 1



Shape 2

3. The magician's show will start at quarter past 2. Circle the clock which shows this time.



4. One of the rides costs 17p. I want to pay using the coins below. Circle which coins I could use to pay for the ride.

5. David used these cards to create the addition calculation below. How could he shuffle the cards to write the inverse calculation?

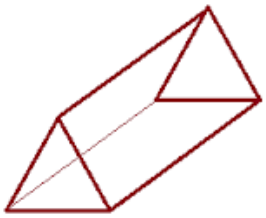
43	53	10

53 = 43 + 10

____ - ___ = ____

6. A farmer bought 27 treats for his three favourite cows and shared the treats equally between them. How many treats did each cow get?

7. In '3D Madness' the aim of the game is to describe the 3D shape shown below. Can you do this by completing the statements?



The shape has _____ edges.

The shape has _____ vertices.

The shape has _____ faces.

8. Angela's dance show ends at the time shown below. Write the time to the nearest minute.

Challenges

9. Use some of these number cards to make the multiplication statement.

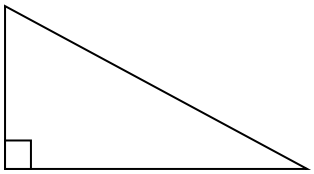
0	43	43	1	0

☐ X ☐ = ☐

10. In preparation for the farmers' market, William was practising his fractions and decimals. Circle the two cards which show the same proportion.

$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{2}$	0.25

11. Jenny wants to pave her driveway but can only use irregular shapes for the pattern. Her friend told her that she could use the shape below. Give two reasons why her friend is correct.



12. Two women spent the same amount of money in the café. Fill the gap to show this:

46 + _____ = 55 + 38