Thursday 11th June 2020

Money

Hi Yachts ☺

Mental Maths

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

Option 1: What addition and subtraction calculations give the answer **48**?

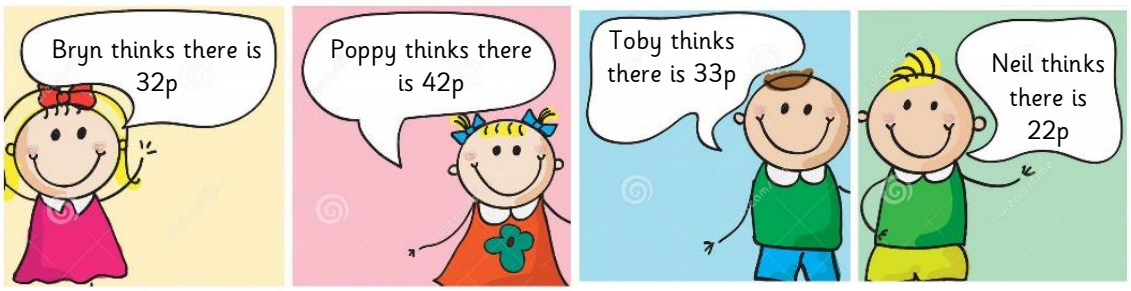
Option 2: What addition, subtraction, multiplication and division calculations give the answer **48**?

Option 3: What multiplication, division and fraction calculations give the answer **48**?

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. Dylan has these coins.



a. Who is correct?

b. Can you prove it with a calculation?

2. True or false? Use diagrams to show your working out.

a. 15p - 3 p = 5p

b. Twenty two pence subtract five pence equals seventeen pence

c. 37p - 10p = 28p

d. One pound subtract ten pence is equal to eighty pence

e. 28p - 7p = 21p

3. Solve these word problems by using RUCSAC, thinking about the place value of each digit and using partitioning. *Example:*

£1.96 + £2.76

100 90 6 200 70 6

Step 1: Add the **ones** together: 6 + 6 = 12

Step 2: Add then **tens** together (don't forget to carry over any tens that you now have from adding the ones together): 90 + 70 + 10 = 170

Step 3: Add the **hundreds** together (don't forget to carry over any hundreds that you now have from adding the tens together): 100 + 200 + 100 = 400

Step 4: Add the totals from the **hundreds**, **tens** and **ones** calculations together: 400 + 70 + 2 = 472p = £4.72

a. Janey buys a pen for 52p and a rubber for 18p. How much does she spend?

b. Charlotte is given 32p and already had 15p. What is her new total?

c. Sarah has £2.26 in her purse and then finds £2.32. What is the total amount she has?

d. June saves 30p on Monday, £1.24 on Wednesday and £1.25 on Friday. How much money does she have for the weekend?

e. Gemma leaves £5.31 for Charlotte and Sarah leaves £4.26.What is the combined total of money left for Charlotte?

Challenge

4. Three shops have special offers for computers:

Shop A	Shop B	Shop C
off the total cost	Buy one computer, get the second half price	Spend over £500, get £60 off total bill

The same computer costs the following in each shop:

Shop A	Shop B	Shop C
£375	£400	£325

a. If a customer buys two computers, which shop would offer the best deal?

b. If a customer buys four computers, which shop offers the best deal?