Tuesday 16th June 2020

Money

Mental Maths

Choose the best option for you then solve it in your head.

Option 1: Fill in the missing numbers. Can the inverse operations help you?

19 + ____ = 31 ____ + 4 = 16

Option 2: Start at 110 and count down in 20s.

Option 3: Does the six in 692 have a value of six hundred, sixty or six? Identify the value of the six in these numbers: 346, 0.06, 609, 162, 63, 0.6, 0.62

Choose the best set of questions below for you to answer, or you could try all of them! 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. Look carefully at the graph below.

		
Teddies: 20p each	**Balls: 10p each**	**Toy cars: 5p each**

a. How much do the teddies cost altogether?

b. What is the sum cost of the balls?

c. How much do the toy cars cost in total?

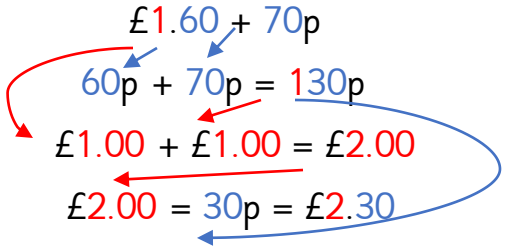
2. Apples cost 20p each. Nina spent 80p on apples.
   a. Count up in 20s to solve how many apples she bought.
   b. Draw this number of apples in the graph below.

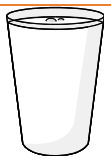
3. Bananas cost 5p each. Nina spent 50p on bananas.
   a. Count up in 5s to solve how many bananas she bought.
   b. Draw this number of bananas in the graph below.

4. Oranges cost 4p each. Nina spent 20p on oranges.
   a. Count up in 4s to solve how many oranges she bought.
   b. Draw this number of oranges in the graph below.

Apples: 20p each	**Bananas: 5p each**	**Oranges: 4p each**

5. To solve the problems below, add the pence together first then the pounds. Remember that if the pence answer is more than 100p, you need to exchange that for £1. *Example:*



Riverside Café Menu				
				
Cola £1.00	Coffee 15p	Milk 20p	Orange Juice 50p	Milkshake 80p

a. Sarah bought a milkshake and some orange juice. How much money does she need to pay?

b. Chris had £2 to spend. He bought two glasses of orange juice. How much money does he have left?

c. Amari bought a glass of milk, some coffee and some orange juice. How much did it cost?

d. What is the difference in cost between the coffee and the orange juice?

e. Edward had £1. How much more would he need if he wanted to buy a can of cola and a milkshake?

Challenges

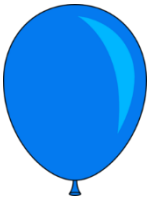
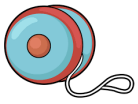
6. To solve the problems below, first convert the cost to pence only then use partitioning to add or subtract the amounts. Don't forget to convert the amount back to pounds and pence at the end. *Example:*

£3.25 + 75p = 325p + 50p

300 20 5 50

20 + 50 = 70

300 + 70 + 5 = 375p = £3.75

					
£5.59	£10.20	50p	£3.25	£5.95	£2.29
					
£1.15	£2.45	£8.62	£2.60	75p	£3.85

a. Choose two of the items above and calculate their sum.
b. Frances buys three slices of pizza. How much will this cost?
c. Jake has £10.00. He wants to buy the ice cream and the bow. Does he have enough money?
d. What is the difference between the cost of the bow and the cost of the balloon?
e. How much more expensive is the donut than the yoyo?