Monday 22nd June 2020

<u>Money</u>

Mental Maths

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

Option 1: Fill in the missing numbers:

 $2 \times 10 = 20$ $10 \times = 20$ $20 \div 2 = 20 \div = 2$

Option 2: I know that $3 \times 12 = 36$. How can that help me to solve 3×24 ?

Option 3: What number facts can help you to solve 5 x 16?

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 $(+ - x \text{ or } \div)$ 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?)

 ${f 1.}$ Think about what happens when you buy something from a shop. Imagine that you have a 50p coin and you buy a pencil that costs 10p. You must give your 50p coin to the shopkeeper but you didn't spend it all so she must give you some of it back (we call this change). The shopkeeper keeps 10p of your money because you swapped this for the pencil and she gives you the other 40p back.

Complete the part-whole models to show how much change the children should receive. I have given you an example.

Henry gave the shopkeeper 10p	He bought 2p	10p 2p 8p
Kim gave the shopkeeper 20p	She bought 5p	
Ash gave the shopkeeper 20p	He bought 10p	
Polly gave the shopkeeper 25p	She bought 23p	
Saul gave the shopkeeper 50p	He bought 35p	

2. Use the receipts to find the total cost of the items and the change that is due.

Riverside Shop	
Book	£1.50
Toy doll	£3.00
TOTAL	
CASH	£5.00
CHANGE DUE	

Riverside Shop		
45р		
60p		
£1.50		
£3.00		

Riverside Shop		
Teddy Bear	£4.99	
Toy Car	£1.45	
TOTAL CASH CHANGE DUE	£8.00	

Riverside Shop		
Drum	£4.58	
Flute	£4.43	
TOTAL		
CASH	£950	
CHANGE DUE		

Riverside Shop		
Kit Kat	50p	
Apple	12p	
Pineapple	£1.29	
TOTAL CASH	f2.00	
CHANGE DUE	12.00	

Riverside Shop		
Kiver side Shop		
Xylophone	£3.79	
Recorder	£1.85	
TOTAL		
CASH	£7.00	
CHANCE DUE		
CHANGE DUE		

Challenges

3. Calculate the amount in each choice and then select the largest amount. Show how you worked out each answer.

Would you	¹ / ₄ of 48p	¹ / ₇ of 77p	¹ / ₁₀ of 80p
rather have?	74 S. 19P	γ, σ β	710 C. COP
Would you	Six tenths of fifty	Three quarters of	Five eighths of forty
rather have?	pence	forty four pence	eight pence
Would you	¹ / ₂ of 92p	² / ₃ of 60p	¹ / ₆ of 72p
rather have?	72 01 12p	73 or oop	76 OT 72p
Would you	One fifth of forty	Two quarters of	Seven eighths of
rather have?	pence	twenty four pence	sixteen pence

Now write some of you own Would you rather...? questions using money below $\pounds 1$ for someone in your home to solve.