Money

<u>Mental Maths</u>

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

Option 1: Order the coins below from the smallest value to the greatest value:

Option 2: Start at 28 and count down in 5s.

Option 3: One quarter of 44 is 11. How would this help you to find one quarter of 440? How would this help you to find one quarter of £4.40?

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:

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?)

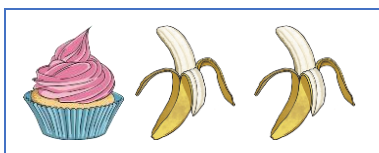1. Here are some items available at the supermarket:

10p	75p	50p	35p	40p	20p

a. Match the items bought to the total cost.

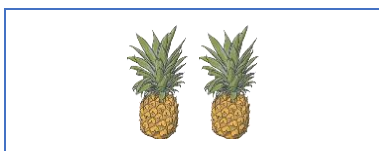|	
	£1.00
	85p
	60p
	95p
	55p

b. What coins could you use to pay for each of the total costs?

2. Which place value chart shows each amount correctly? Look carefully at where the decimal point is - remember that pounds go on the left of the decimal point and pence goes on the right side.

a. 57p

Hundreds	Tens	Ones
£ 5 • 7		0
✓ ✗		

Hundreds	Tens	Ones
£ 0 • 5		7
✓ ✗		

Hundreds	Tens	Ones
£ 0 • 5 7		0
✓ ✗		

b. £1.63

Hundreds	Tens	Ones
£ 1 •	6	3
✓	✗	

Hundreds	Tens	Ones
£ 0 •	1	6 3
✓	✗	

Hundreds	Tens	Ones
£ 1 •	6 3	0
✓	✗	

c. Seven pounds and ninety pence

Hundreds	Tens	Ones
£ 7 •	0	9
✓	✗	

Hundreds	Tens	Ones
£ 7 •	9	0
✓	✗	

Hundreds	Tens	Ones
£ 0 •	7	9
✓	✗	

d. £5.08

Hundreds	Tens	Ones
£ 0 •	5	8
✓	✗	

Hundreds	Tens	Ones
£ 5 •	8	0
✓	✗	

Hundreds	Tens	Ones
£ 5 •	0	8
✓	✗	

3. Now write or draw each amount on the place value chart:

97p

Hundreds	Tens	Ones
£ •		

six pounds and six pence

Hundreds	Tens	Ones
£ •		

£4.41

Hundreds	Tens	Ones
£ •		

eight pounds and twenty one pence

Hundreds	Tens	Ones
£ •		

£3.90

Hundreds	Tens	Ones
£ •		

thirty pence

Hundreds	Tens	Ones
£ •		

4. Can you add £5.00 and 10p together and write the answer in **pounds**? Think about where the decimal point goes. Why does it go there?

5. Can you add 5p and 2p together and write the answer in **pounds**? Think about what to write when you don't have any pounds in your amount.

6. Which place value chart shows each amount correctly? Look carefully at where the decimal point is.

a. £16.07

Thousands	Hundreds	Tens	Ones
£	1 •	6	7

✔ ✘

Thousands	Hundreds	Tens	Ones
£ 1		6 •	7

✔ ✘

Thousands	Hundreds	Tens	Ones
£ 1		6 •	0	7

✔ ✘

b. £3.36

Thousands	Hundreds	Tens	Ones
£	3 •	3	6

✔ ✘

Thousands	Hundreds	Tens	Ones
£ 3		3 •	6	0

✔ ✘

Thousands	Hundreds	Tens	Ones
£ 3		0 •	3	6

✔ ✘

c. Fifty eight pounds and thirteen pence

Thousands	Hundreds	Tens	Ones
£	5 •	8	1 3

✔ ✘

Thousands	Hundreds	Tens	Ones
£ 5		8 •	1	3

✔ ✘

Thousands	Hundreds	Tens	Ones
£ 5		8 •	3	0

✔ ✘

7. Now write or draw each amount on the place value chart:

56p

Thousands	Hundreds	Tens	Ones
£	•		

ninety pounds and fifty two pence

Thousands	Hundreds	Tens	Ones
£	•		