Maths Mastery
Challenge Cards

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1. How many different ways can you make the total of £2.95?

You can use the same value coin more than once.

What is the least amount of coins you could use?

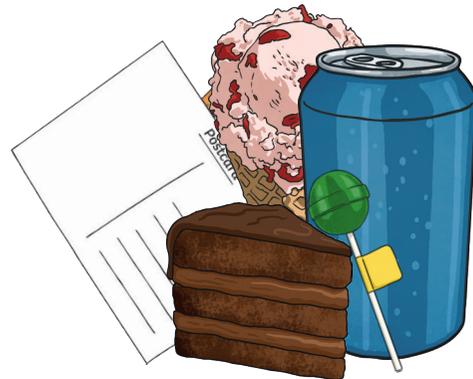2. At a market stall by the seaside, Hannah can buy the following items:

postcard 25p

lolly 35p

ice cream 75p

cake £1.20

cola 55p

Hannah has £2. She buys three items and has less than £1 in change. Which three items could she have bought?

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3. Maurice the magpie has been stealing again!

He has stolen 3 silver coins.

What different totals could the coins make?

4. What is the most amount of money that can be made using:

a) 3 of these coins?
b) 4 of these coins?
c) 7 of these coins?

What is the least amount of money that can be made using:

d) 3 of these coins?
e) 4 of these coins?
f) 7 of these coins?

5. Freddie has these coins:

Which individual items could Freddie pay for exactly without needing change?

52p

14p

3p

45p

49p
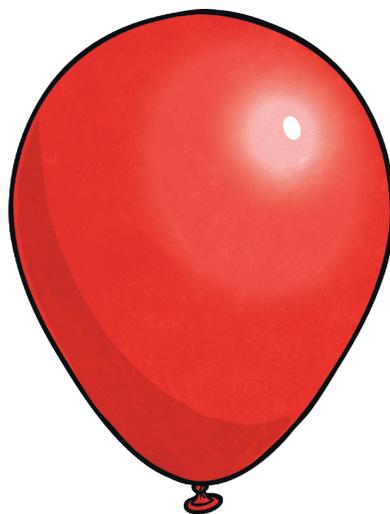
6. Ben bought a balloon.

He gave the shopkeeper six coins to pay for it.

What could Ben have paid for the balloon?

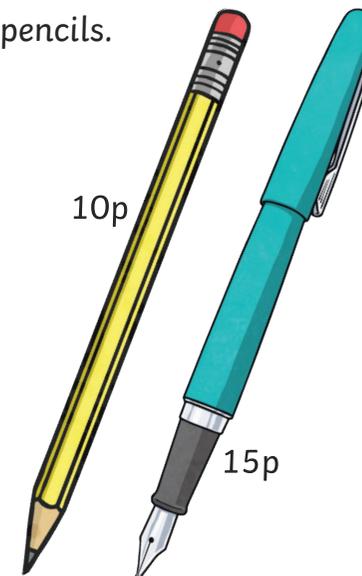Look at your answers. Which ones are reasonable amounts to pay for a balloon?

7. Imrik went to buy some pens and pencils.

He had £2.50.

He bought 4 times as many pens as pencils.

He was given 40p change.

How many pens and pencils did he buy?

10p

15p

8. Pete the Pirate and his 2 brothers find some money.

They have a sister called Poppy.

If the brothers shared the money just amongst themselves, they would each get £20 more, than if they shared it equally with their sister too.

What was the sum of money that they had found?