Mastery Maths

Year 2

Money

Solve It

Fahid has 65p and George has £1. What silver coins would Fahid need to have as much money as George? Find all of the different combinations. Show your working out.

Possible answers:

7 × 5p

5 × 5p + 10p

3 × 5p + 20p

3 × 5p + 2 × 10p

5p + 20p + 10p

5p + 3 × 10p

Who Is Right?

Matthew says he can make 27p with two coins. Neve says that you must have at least four coins to make 27p.

Who is correct? Explain your answer.

Matthew is incorrect. It is not possible to make 27p with two coins. The closest amount is 25p.

Neve is wrong too. 27p can be made with four coins (10p + 10p + 5p + 2p) and can also be made with five or more coins but it can be made with three coins (20p + 5p + 2p).

True or False?

Sort the statements into true and false. Explain your reasoning.

You can make 21p using just 2p and 5p coins.

True: 3 × 2p + 3 × 5p.

Four is the smallest number of coins that can make 42p.

False: 42p can be made with three coins (2 × 20p + 2p).

The number of 1p coins in 20p is less than the number of 5p coins in £1.

False: both have 20 coins.

More or Less

Compare the amounts of money. **Explain your reasoning.**

1.

30p > 25p

2.

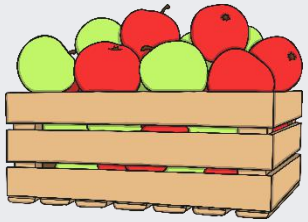
22p > 21p

3.

£2.90 < £3

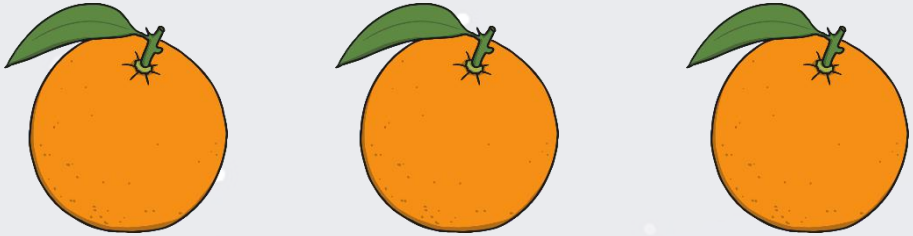
Count the Change

Meesha buys an apple with a £1 coin. She gets change from the shopkeeper. How much does the apple cost?



£1 - 40p = 60p

An orange costs 23p. Jill buys three of them. She pays the exact amount with five coins. What coins does she use?



23p × 3 = 69p. She pays with these coins: 50p + 10p + 5p + 2p + 2p.

What's Missing?

1.  - ? = 

40p – 25p = 15p

2. ? =  + 

35p = 10p + 25p

3.  +  -  = ?

£1.50 + £1 - £2 = 50p

Odd One Out

Which is the odd one out? Give your reasons why.

There are lots of different answers, including:

The 2p as it is circular.

The 50p as it is silver.

The £1 as its value is over 70p.

Spot the Pattern

Show the coins for the next number in the sequence.

1p, 6p, 11p, ?

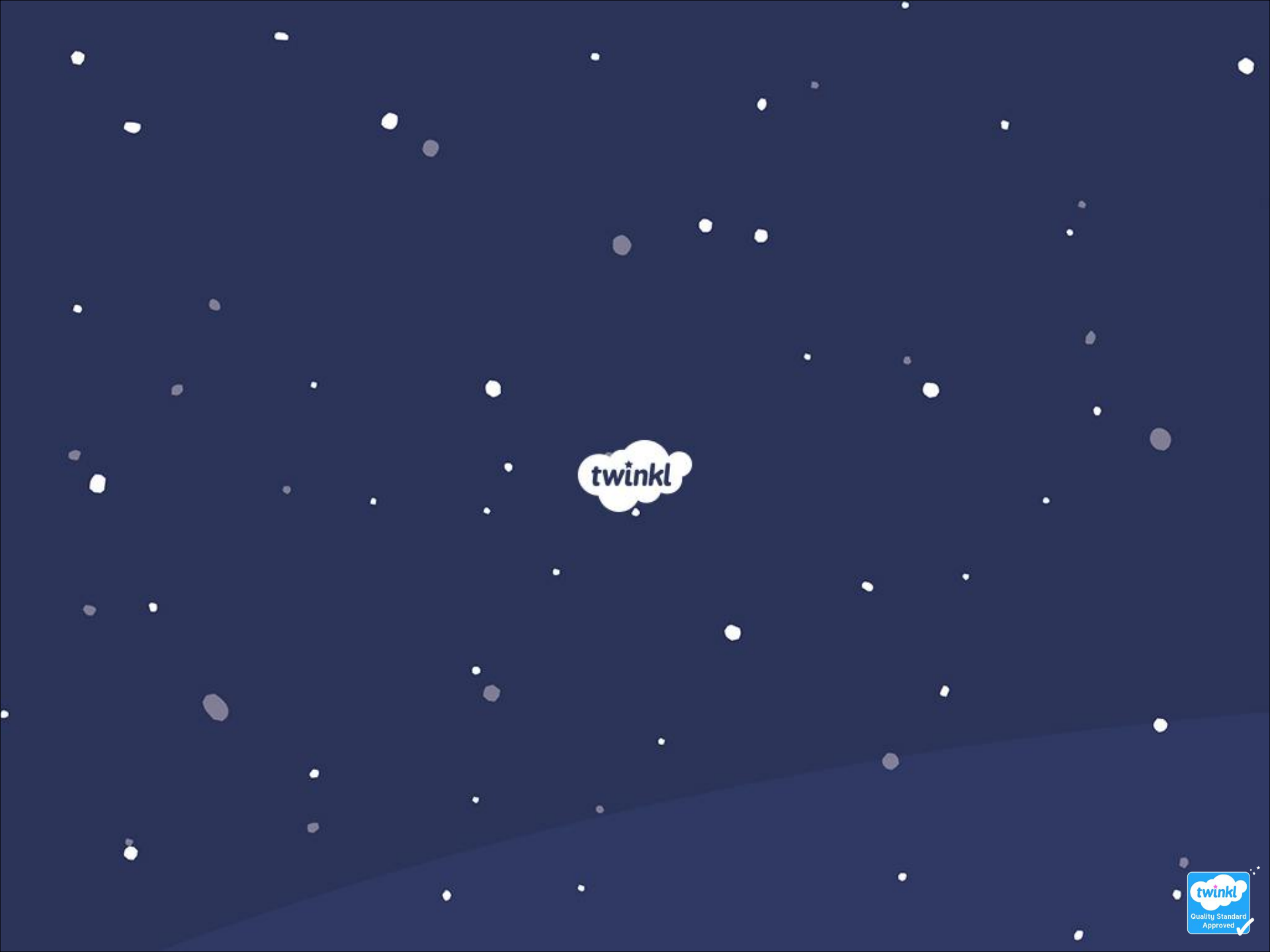
16p: Possible answers = 10p + 5p + 1p, 5p + 5p + 6 × 1p.

60p, 50p, 40p, ?

30p: Possible answers = 3 × 10p, 10p + 20p, 6 × 5p.

1p, 2p, 4p, 8p, 16p, ?

32p: Possible answers = 20p + 10p + 2p, 3 × 10p + 2p, 3 × 10p + 2 × 1p.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