

Year 1 Task variation

It is helpful if children have real coins to use. They should be encouraged to count in 2s and 5s to help them.

Sally has some coins in her purse. They equal 10p.

How many of each coin could she have?

Worked example:

Children could record using calculations or drawing around coins.

$$\begin{aligned}
 &1p + 1p + 1p + 1p + 1p + 1p + 1p + 1p + 1p + 1p = 10p \\
 &2p + 1p + 1p + 1p + 1p + 1p + 1p + 1p + 1p = 10p \\
 &2p + 2p + 1p + 1p + 1p + 1p + 1p + 1p = 10p \\
 &2p + 2p + 2p + 1p + 1p + 1p = 10p \\
 &2p + 2p + 2p + 2p + 1p + 1p = 10p \\
 &2p + 2p + 2p + 2p + 2p = 10p \\
 &5p + 2p + 2p + 1p = 10p \\
 &5p + 5p = 10p
 \end{aligned}$$

Make it easier:

How many 1p coins make 10p?

Sally has 2p coins and 1p coins. How many of each could she have? She has 10p altogether.

Make it harder:

1. Sally has just silver coins. She has 10p altogether. Which coins does she have?
2. Sally has just 7 coins. She has 10p altogether. Which coins does she have?
3. Sally has 5 coins in her purse. 2 of them are silver coins. She has 20p altogether. What coins could she have?

Answers:

1. 5p and 5p or one 10p
2. 2p, 2p, 2p 1p, 1p, 1p, 1p
3. 10p, 5p, 2p, 2p, 1p