Year 2 Task:

Objective: Find different combinations of coins to make the same amount.

Amy buys an ice-cream for 90p.

(a) Tick (✓) **three** coins to show how Amy can make **90p**.

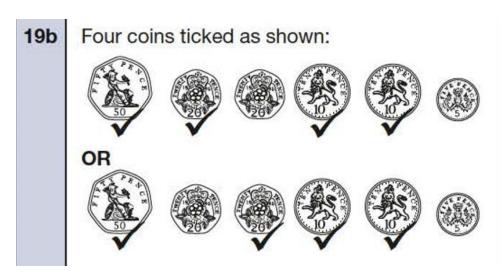(b) Tick (✓) **four** coins to show another way to make **90p**.

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Worked example:

19a Three coins ticked as shown:

19b Four coins ticked as shown:

OR

Variation:

Silver coins:

Kian has only 1 fifty pence piece, but lots of 20p, 10p and 5p coins. If he uses the 50p each time, how many different ways could he pay for the extra 40p?

Do you think you have found them all? Convince me!

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Solution:

Kian could have paid with any of the following combinations of coins:

50p + 20p + 20p

50p + 20p + 10p + 10p

50p + 10p + 10p + 10p + 10p

50p + 10p + 10p + 10p + 5p + 5p

50p + 10p + 10p + 5p + 5p + 5p + 5p

50p + 10p + 5p + 5p + 5p + 5p + 5p + 5p

50p + 5p + 5p + 5p + 5p + 5p + 5p + 5p + 5p

50p + 20p + 10p + 5p + 5p

50p + 20p + 5p + 5p + 5p + 5p

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