

## Tap twice

**Focus of activity:** Adding 2p by counting on.

### Working together: conceptual understanding

- Show children a 2p coin and a collection of pennies. *How much is this 2p coin worth? How many pennies could you swap it for?*
- Count 8 pennies into a tin. *How much is in the tin? 8 pence. We're going to add one more penny. 8 pence in the tin. Say 9 pence as you add another penny. How much is in the tin now?* Record  $8p + 1p = 9p$ . Tip out all the pennies to check.
- Count 5 pennies into the tin. *How much is in the tin? 5p. Now we're going to add two more pennies. 5 pence in the tin. Say 6 pence, 7 pence as you add the two pennies. Write  $5p + 1p + 1p = 7p$ .* Tip out all the pennies to check.
- Count 4 pennies in the tin. *How much is in the tin? This time we're going to add this 2p coin. 4 pence in the tin. Tap the coin twice as you say 5 pence, 6 pence and put it into the tin. How much is in the tin now?* Write  $4p + 2p = 6p$ .
- Keep the money in the tin. *We're going to add another 2p coin. How much is in the tin?* Tap the coin twice as you say 7 pence, 8 pence and put in the tin. Ask children what addition you can write now. Record  $6p + 2p = 8p$ .
- Add another 2p asking children to count on as you tap the coin twice. Record the addition  $8p + 2p = 10p$ .

### Up for a challenge?

Carry on adding 2p until you reach 20p.

### Now it's the children's turn:

- Children add two pennies and then a 2p coin to amounts in money boxes. They use real coins to help add on pennies or the 2p coin. They fill in the total in the addition.
- Go round the group and observe them as they work out the answers, making sure that they are counting on accurately.

### S-t-r-e-t-c-h:

If children cope well, ask them to start with a 10p coin, and add 2p coins. How far can they get?

### Things to remember

*Remember that to add two, we can count on. To add a 2p coin, we can tap the coin twice to help us add 2.* Give a child a 5p coin and a 2p coin. How much money altogether? Show children a 5p coin and a 2p coin. Start with 5p and ask a child to add on the 2p coin. Repeat asking a child to add another 2p coin and so on for each child.

[You may want to add something that has emerged from the activity. This may refer to misconceptions or mistakes made.](#)

Resources	Outcomes
<ul style="list-style-type: none"><li>• Pennies</li><li>• 2p coins</li><li>• Tin</li></ul>	<ol style="list-style-type: none"><li>1. Children can add 2p to amounts up to 10p by counting on.</li><li>2. Children begin to add 2p to amounts up to 20p.</li></ol>

# Tap twice

Work in pairs

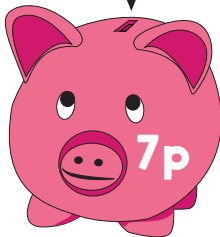
## Things you will need:

- 1p and 2p coins
- A pencil



## What to do:

- Each money box has some money in.
- Add pennies or 2p to each box.
- Then write how much money is in each money box.
- Remember to tap the 2p coin twice to add on two pence.



$$7p + 1p + 1p = \square p$$



$$9p + 1p + 1p = \square p$$



$$6p + 2p = \square p$$



$$5p + 2p = \square p$$



$$8p + 2p = \square p$$



$$4p + 2p = \square p$$

## ***S-t-r-e-t-c-h:***

Start with a 10p coin. Add a 2p coin. How much do you have now?  
Now add another 2p coin. Keep going. How far can you get?

## Learning outcomes:

- I can add 2p to amounts up to 10p by counting on.
- I am beginning to add 2p to amounts up to 20p.