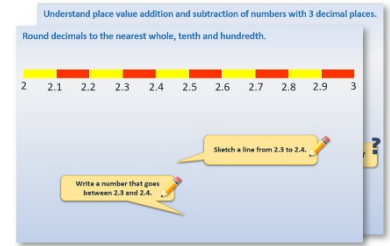


Year 2: Week 1, Day 2

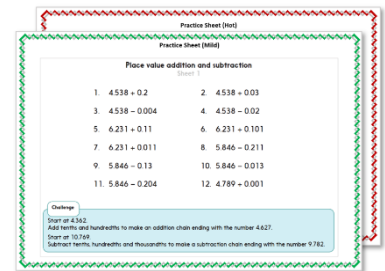
Making amounts of money

Each day covers one maths topic. It should take you about 1 hour or just a little more.

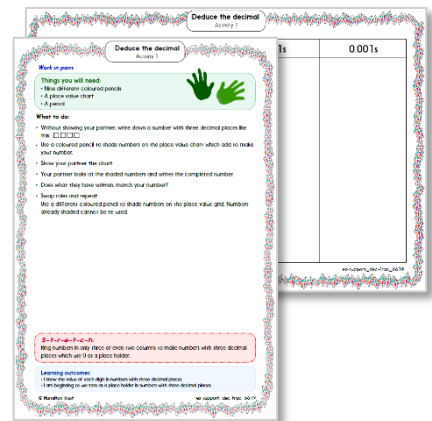
- Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



- Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



- Finding it tricky? That's OK... have a go with a grown-up at **A Bit Stuck?**



- Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!

Identify the value of the '4' in the following numbers:

(a) 3.407
 (b) 4.821
 (c) 0.043
 (d) 5.104
 (e) 48,739

How many times must Dan multiply 0.048 by 10 to get 48,000?

What number is one hundred times smaller than 0.4?

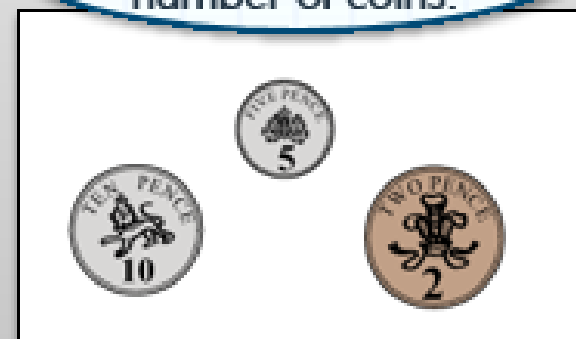
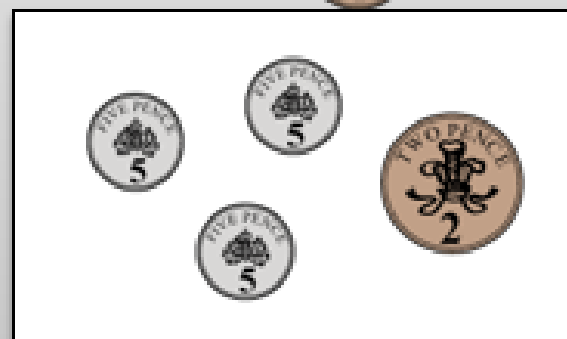
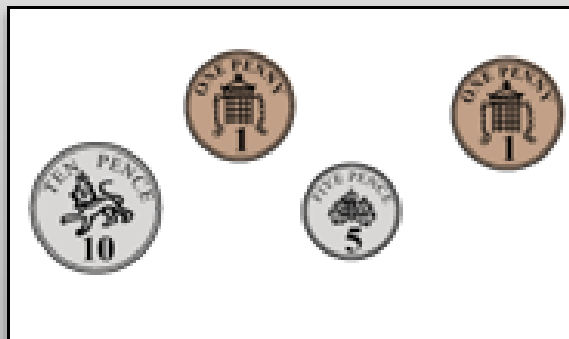
Learning Reminders

Recognise coins and find totals using a combination of coins.

Which coins can you use to pay for Teddy? Is there more than one way?



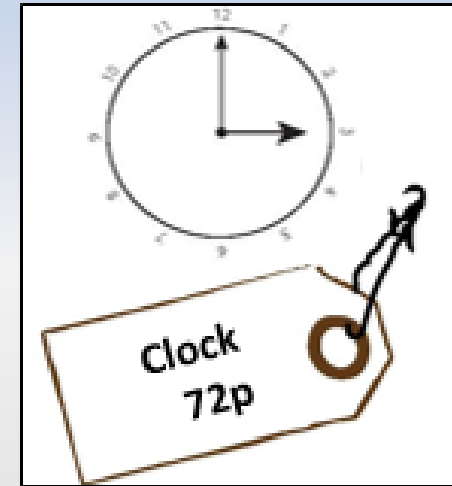
That's the smallest number of coins!



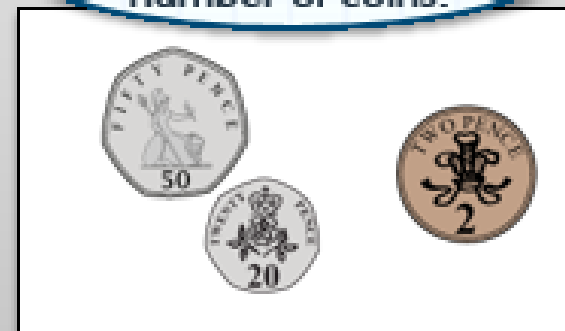
Learning Reminders

Recognise coins and find totals using a combination of coins.

Which coins can you use to pay for the clock? Is there more than one way?



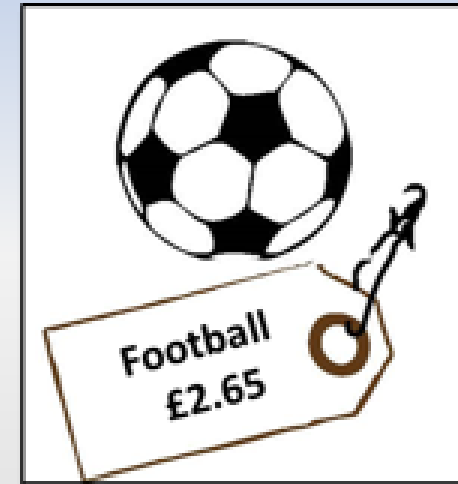
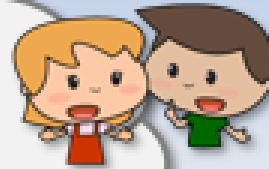
That's the smallest number of coins!



Learning Reminders

Recognise coins and find totals using a combination of coins.

Which coins can you use to pay for the football? Is there more than one way?



Is this the smallest number of coins?

The football costs more than £1.

We use the pound sign at the start then use a decimal point to separate the pounds and pence.



Practice Sheet Mild

Making amounts using multiple coins

Look at the amounts below. Can you draw the coins for each one? You must always use 3 or more coins.

50p
14p
25p
43p
37p
20p
19p

Practice Sheet Hot

Making amounts using multiple coins

Look at the amounts below. Can you draw the coins for each one? You must always use 3 or more coins.

50p						
75p						
99p						
86p						
£1.35						
£1.57						
£1.68						

Challenge

Ben has six coins in his pocket. Three are silver and three are copper. Can you suggest five different possible amounts of money he might have?

Practice Sheet Answers

Making amounts using multiple coins (mild)

Answers could include the following:

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

14p 10p 2p 2p
 10p 2p 1p 1p
 10p 1p 1p 1p 1p
 5p 5p 2p 2p
 5p 5p 1p 1p 1p 1p
 5p 2p 2p 2p 2p 2p 1p
 2p 2p 2p 2p 2p 2p 2p

25p 20p 5p
 20p 1p 1p 1p 1p
 20p 2p 2p 1p
 20p 2p 1p 1p
 10p 10p 5p
 10p 10p 1p 1p 1p 1p
 10p 10p 2p 2p 1p 1p
 10p 10p 2p 1p 1p 1p
 5p 5p 5p 5p 5p
 5p 5p 5p 5p 2p 2p 1p

43p 20p 20p 2p 1p
 20p 20p 1p 1p 1p
 20p 10p 10p 2p 1p
 20p 10p 10p 1p 1p 1p
 10p 10p 10p 10p 1p 1p 1p
 10p 10p 10p 10p 2p 1p
 20p 10p 5p 5p 1p 1p 1p
 20p 10p 5p 5p 2p 1p

37p 20p 10p 5p 2p
 20p 10p 5p 1p 1p
 10p 10p 10p 5p 2p
 10p 10p 10p 5p 1p 1p
 20p 5p 5p 5p 2p
 20p 5p 5p 5p 1p 1p

20p 10p 5p 5p
 5p 5p 5p 5p
 10p 5p 2p 1p 1p 1p
 10p 5p 2p 2p 1p 1p
 5p 5p 5p 2p 2p 1p
 5p 5p 5p 2p 1p 1p 1p

19p 10p 5p 2p 2p
 10p 5p 1p 1p 1p 1p
 10p 5p 2p 1p 1p
 10p 2p 2p 2p 2p 1p
 5p 5p 5p 2p 2p 2p
 5p 5p 5p 2p 1p 1p

Making amounts using multiple coins (hot)

Answers could include the following:

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

75p 50p 20p 5p
 50p 10p 10p 5p
 50p 10p 5p 5p 5p
 50p 10p 5p 5p 2p 2p 1p
 20p 20p 20p 10p 5p
 20p 20p 20p 5p 5p 5p
 20p 20p 20p 10p 2p 2p 1p
 20p 20p 10p 10p 10p 5p
 20p 20p 10p 10p 5p 5p 5p

99p 50p 20p 20p 5p 2p 2p
 50p 20p 20p 5p 2p 1p 1p
 50p 20p 10p 10p 5p 2p 2p

86p 50p 20p 10p 5p 1p
 50p 10p 10p 10p 5p 1p
 50p 10p 10p 5p 5p 5p 1p
 50p 20p 10p 2p 2p 2p
 50p 10p 10p 10p 2p 2p 2p

£1.35 £1 20p 10p 5p
 £1 20p 5p 5p 5p
 £1 20p 10p 2p 2p 1p
 £1 20p 10p 2p 1p 1p 1p
 £1 10p 10p 10p 5p
 £1 10p 10p 10p 2p 2p 1p
 £1 10p 10p 5p 5p 5p
 £1 10p 5p 5p 5p 5p 5p
 50p 50p 20p 10p 5p
 50p 50p 10p 10p 10p 5p
 50p 50p 20p 5p 5p 5p
 50p 50p 20p 10p 2p 2p 1p
 50p 20p 20p 10p 20p 10p 5p

£1.57 £1 50p 5p 2p
 £1 50p 5p 1p 1p
 £1 50p 2p 2p 2p 1p
 £1 50p 2p 2p 1p 1p 1p
 50p 50p 50p 5p 2p
 50p 50p 50p 5p 1p 1p
 50p 50p 50p 2p 2p 2p 1p
 50p 50p 20p 20p 10p 5p 2p

£1.68 £1 50p 10p 5p 2p 1p
 £1 50p 10p 5p 1p 1p 1p
 £1 50p 5p 5p 5p 2p 1p
 £1 20p 20p 20p 5p 2p 1p
 50p 50p 50p 10p 5p 2p 1p

Challenge

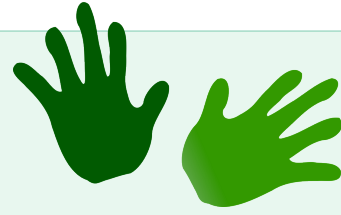
Ben could have a number of different amounts. Make sure you have used 3 silver coins and 3 copper coins in calculating your answers.

A Bit Stuck? Coin counting on

Play in pairs

Things you will need:

- A pot of 1p, 2p, 5p and 10p coins (two of each)



What to do:

- Take two coins out of the pot.
- Put the coin with the bigger number on it first.
Count on the number on the other coin.
Write the sum.
- Put the coins back.
Pick two more coins. Find the total.
Write the sum.
- Write as many different sums as you can.

	$5p + 2p = 7p$
	$10p + 2p =$

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

Add a 20p coin to your pot and start again.

Learning outcomes:

- I can find the total of two coins (answers up to 20p).
- I am beginning to find the total of two coins (answers up to 30p).

Check your understanding Questions

Amit makes £1.15 in three different ways using different coins.

He never uses any 'copper' coins.

Suggest three ways.

One uses 5 coins – can you find it?

Fold here to hide answers:

Check your understanding Answers

Amit makes £1.15 in three different ways using different coins.

He never uses any 'copper' coins.

Suggest three ways.

One uses 5 coins – can you find it?

£1 + 10p + 5p (3 coins).

50p + 50p + 10p + 5p (4 coins).

50p + 50p + 5p + 5p + 5p (5 coins).

50p + 20p + 20p + 20p + 5p (5 coins).

Other solutions are possible with multiple 20ps, 10ps and 5ps.

Do children have a strategy, e.g. starting with a larger value coin, or do they start with multiple 20p or 10ps?