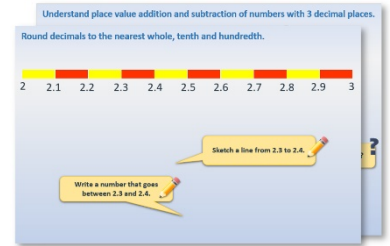


Week 7, Day 1

Adding money

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

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



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

Practice Sheet (Set)

Practice Sheet (Mill)

Place value addition and subtraction
(1000)

<p>1. $4538 + 02$</p> <p>2. $4538 - 0004$</p> <p>5. $6231 + 011$</p> <p>7. $6231 + 0011$</p> <p>9. $5846 - 013$</p> <p>11. $5846 - 0204$</p>	<p>2. $4538 + 003$</p> <p>4. $4538 - 002$</p> <p>6. $6231 + 0101$</p> <p>8. $5846 - 0211$</p> <p>10. $5846 - 0013$</p> <p>12. $4789 + 0001$</p>
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Challenge

Start at 4362.
Add tens and hundreds to make an addition chain ending with the number 4827.
Show an 10348.
Subtract tens, hundreds and thousands to make a subtraction chain ending with the number 9762.


3. Finding it tricky? That's OK... have a go with a grown-up at [A Bit Stuck?](#)

Decide the decimal

Activity

Work in pairs

- Make different coloured pencils
- 1 place value chart
- 1 pencil



What to do:

- Without showing your partner, write down a number with three decimal places like 1.234
- Use 1 coloured pencil to shade numbers on the place value chart which add to make your number.
- Show your partner the chart
- Your partner looks at the shaded numbers and writes the completed number
- Does what they have written, match your number?
- Swap roles and repeat
- Use 2 different coloured pencils to shade numbers on the place value chart. Number already shaded cannot be re-used.

	0.001s
<small>no support_val=100_val=10</small>	

Big number in only three or even two columns to make numbers with three decimal places which are 0.9 or a place value.

Learning outcomes:

- know the value of each digit in numbers with three decimal places
- use hundreds or tens to make numbers with numbers with three decimal places.

Resources: hand no support 100 10

4. 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

Find money totals, choosing an order to add.

How much money do I have altogether?



What is 5 add 2?

7p

What would 2p more be?

What is 7 add 2?

If you're not sure tap the 2p twice as you count on.... 8, 9.

Learning Reminders

Find money totals, choosing an order to add.



How can we add these 3 coins?



We know 5p and 2p are 7p.

Then we can use spider counting to add the 10p. No need to count in 1s!



Or we could put the larger number first: $10p + 5p + 2p$.

We can use place value to add 10p and 5p, then count on 2p more.

Learning Reminders

Find money totals, choosing an order to add.



How much money do I have altogether this time?

What is 5 add 5?

And 10 add 5?

Use the **facts** you know...
no need to count in 1s all
the time!

Practice Sheet Mild

Find the money totals

1.



2.



3.



4.



5.



6.



7.






























8.



Practice Sheet Hot

Find the money totals

1.   
2.   
3.   
4.   
5.   
6.    
7.    
8.    

Practice Sheets Answers

Find the money totals (mild)

1. $2p + 2p + 1p = 5p$
2. $5p + 2p + 1p = 8p$
3. $10p + 5p = 15p$
4. $10p + 2p = 12p$
5. $10p + 5p + 2p = 17p$
6. $10p + 5p + 5p = 20p$
7. $5p + 2p + 2p = 9p$
8. $10p + 10p + 5p = 25p$

Find the money totals (hot)

1. $5p + 2p + 1p = 8p$
2. $10p + 10p + 1p = 21p$
3. $10p + 5p + 2p = 17p$
4. $10p + 5p + 5p = 20p$
5. $5p + 2p + 2p = 9p$
6. $10p + 5p + 2p + 1p = 18p$
7. $10p + 5p + 5p + 1p = 21p$
8. $10p + 5p + 2p + 2p = 19p$

A Bit Stuck?

Coin totals

You will need:

- Three each of 1p, 2p, 5p, 10p and 20p coins

What to do:

- o Place a pile of 1p, 2p, 5p, 10p and 20p coins in the middle of the table.
- o Choose two coins.
- o Decide what order to add them. Place the coins in that order.

For example:



You choose the 2p and 5p coins.

Put the 5p coin first.

Add the 2p.

If you don't know $5 + 2$, then count on from 5, tapping the 2p coin twice and saying, 'six, seven'.

- o Write the addition number sentence, e.g. $5p + 2p = 7p$.
- o Put the coins back and repeat.
- o Write at least five different additions.

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

Choose three coins.

Think about how to add them and put them in that order.

Find the total and write the sum.

Check your understanding

Questions

I have three coins with a total of 9p. What coins have I got?
You can use coins to help you.

I have three coins with a total of 16p. What coins have I got?
You can use coins to help you.

I have three different coins. Each coin is worth less than 20p.
Write some different amounts I might have.
Can you find all four?

Fold here to hide answers

Check your understanding

Answers

I have three coins with a total of 9p. What coins have I got?
You can use coins to help you.
5p, 2p and 2p

I have three coins with a total of 16p. What coins have I got?
You can use coins to help you.
10p, 5p and 1p

I have three different coins. Each coin is worth less than 20p.
Write some different amounts I might have.
Can you find all four?
17p = 10p, 5p and 2p.
16p = 10p, 5p and 1p.
13p = 10p, 2p and 1p.
8p = 5p, 2p and 1p.