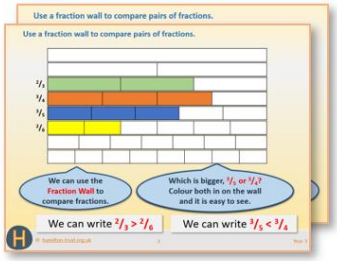
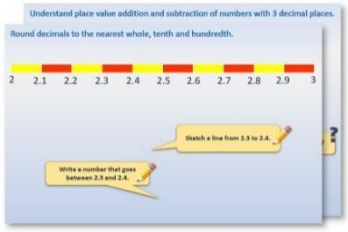
Week 9, Day 1
Find a difference

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

1. If possible, watch the **PowerPoint presentation** with a teacher or another grown-up.



OR start by carefully reading through the **Learning Reminders**.



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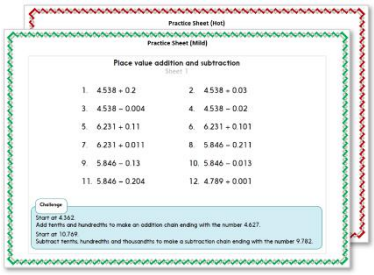
2. Tackle the questions on the **Practice Sheet**.
There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.



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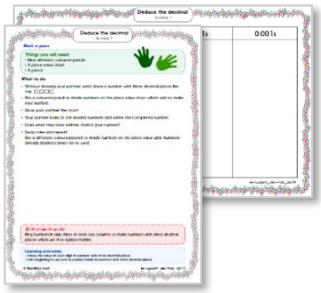
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



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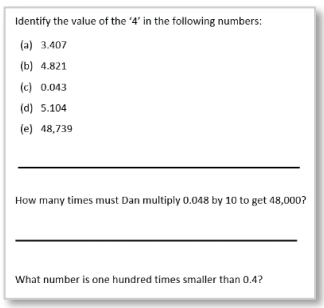
4. Have I mastered the topic? A few questions to **Check your understanding**.
Fold the page to hide the answers!



Learning Reminders

Count up to find a difference between two amounts of money.

Matthew had £17 birthday money.
He spent £15 on an art set.
How could we work out how much money he has left?

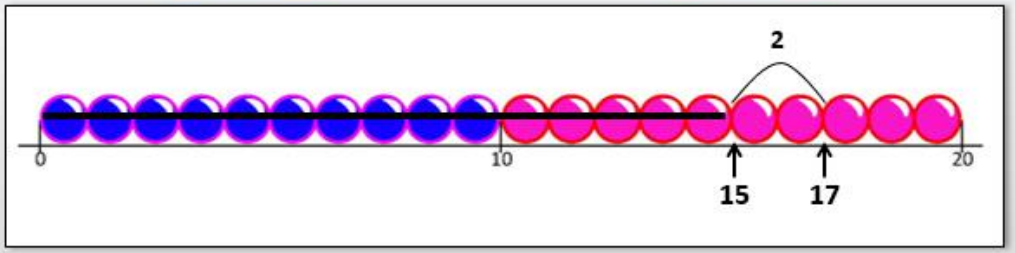
We could count back 15 to find how much he had left, but that would take a long time and we might make a mistake.

Instead we count up from 15 to 17 to find the difference between these amounts, it is quicker and easier.

Count up to find a difference between two amounts of money.

Let's mark 15 and 17 on a beaded line.

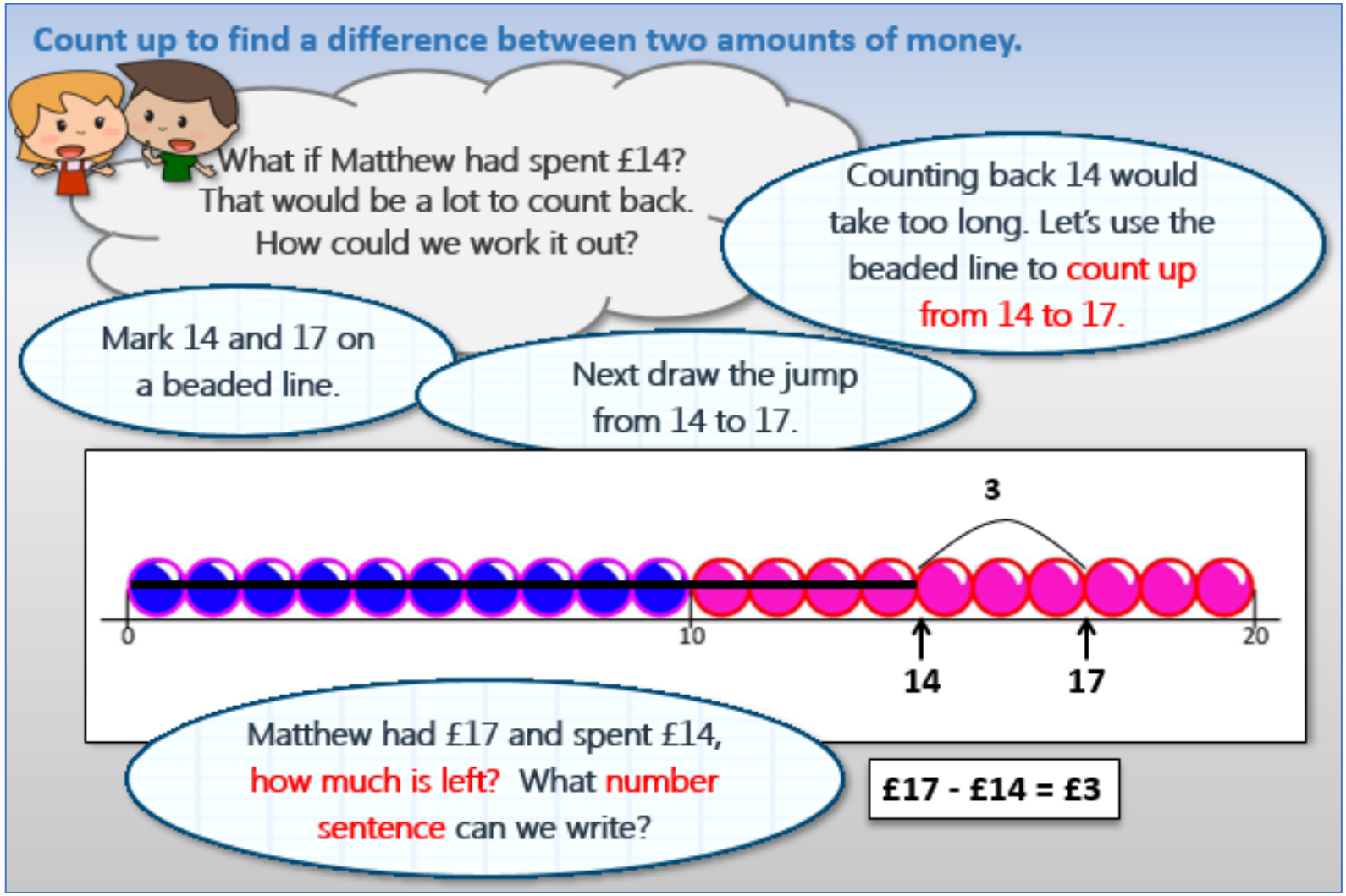
Next draw the jump from 15 to 17.



Matthew had £17 and spent £15, how much is left? What number sentence can we write?

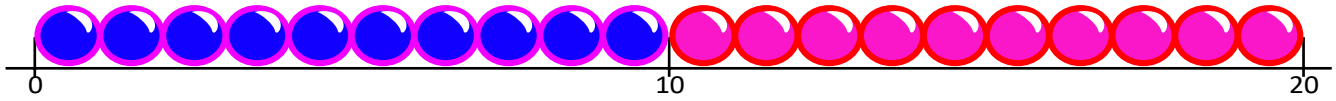
£17 - £15 = £2

Learning Reminders



Practice Sheet Mild

Finding the difference



After a trip to the shops, what will you have left of your pocket money?

Decide if you will count back or count up to solve the following:

£18 – £12

£13 – £11

£16 – £5

£21 – £6

£15 – £12

£14 – £5

£16 – £14

£12 – £3

Challenge

Choose two of these calculations to write a word problem for.

Practice Sheet Hot
Finding the difference

After a trip to the shops, what will you have left of your pocket money?

Decide if you will count back or count up to solve the following:

£28 – £11

£29 – £24

£22– £16

£18 – £7

£32 – £25

£26 – £4

£27 – £25

£24– £18

Challenge

Choose two of these calculations to write a word problem for.

Practice Sheets Answers

Finding the difference (mild)

£18 – £12 = £6	Count up
£13 – £11 = £2	Count up
£16 – £5 = £11	Count back
£21 – £6 = £15	Count up
£15 – £12 = £3	Count back
£14 – £5 = £9	Count back
£16 – £14 = £2	Count up
£12 – £3 = £9	Count back

If children choose an alternative strategy they are not 'wrong'! Ask them to explain their thinking, trying to convince you that their method is more efficient for them.

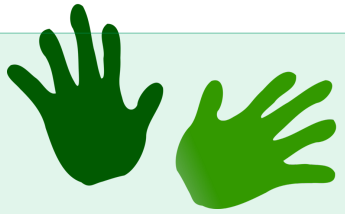
Finding the difference (hot)

£28 – £11 = £17	Count back
£29 – £24 = £5	Count up
£22 – £16 = £6	Count up
£18 – £7 = £11	Count back
£32 – £25 = £7	Count up
£26 – £4 = £22	Count back
£27 – £25 = £2	Count up
£24 – £18 = £6	Count up

If children choose an alternative strategy they are not 'wrong'! Ask them to explain their thinking, trying to convince you that their method is more efficient for them.

A Bit Stuck?
Penny differences

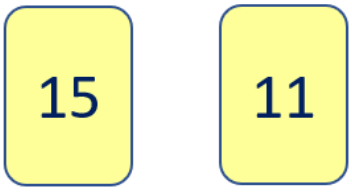
Things you will need:
- 40 pennies (or counters)
- 10 to 20 cards (see resource)



What to do:

- Choose two cards.
- Make a line of pennies to match each card.

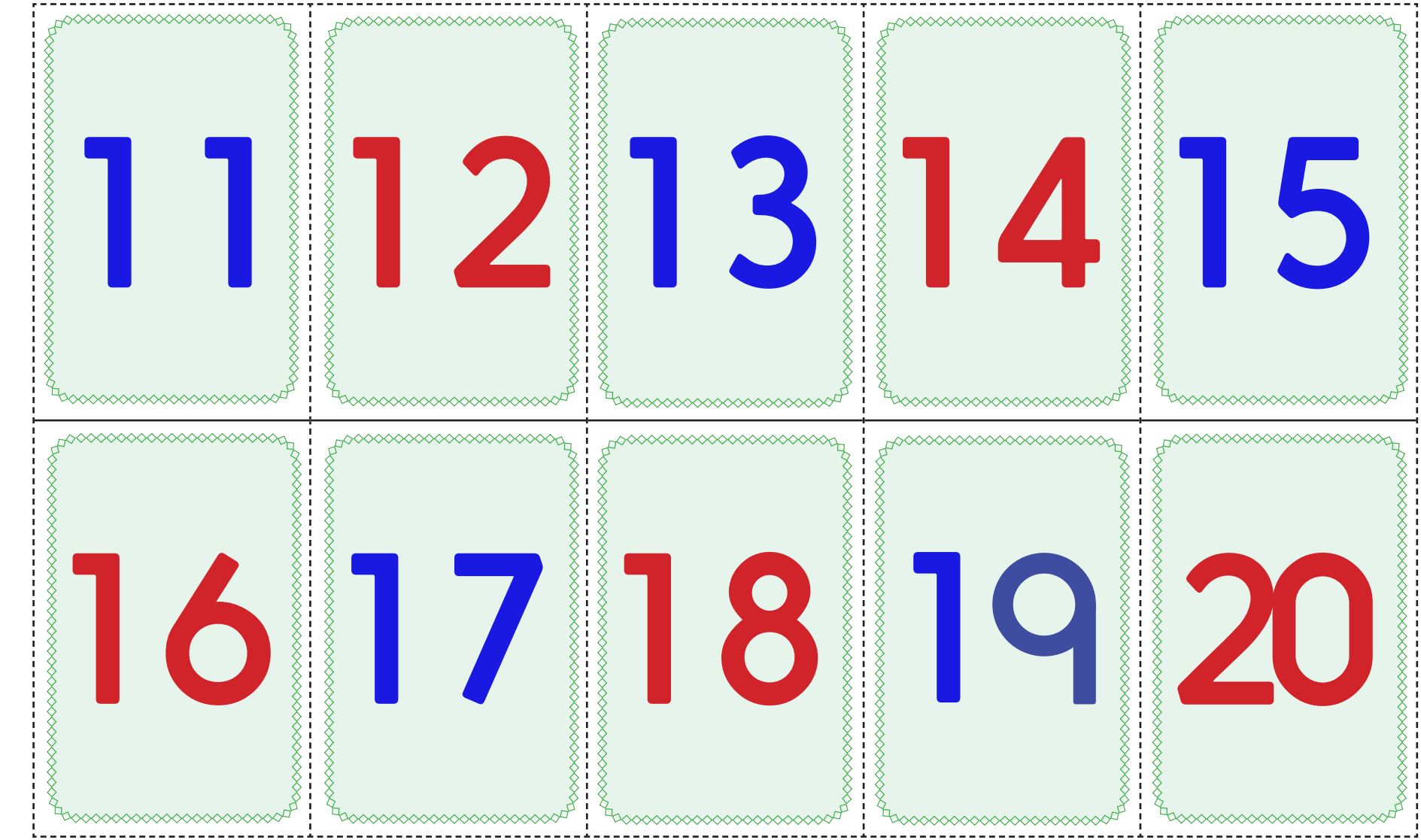
For example:



- What is the difference between your two lines of pennies?

  The difference between 15 and 11 is 4.

- Repeat with other pairs of cards.
- How many differences can you find between pairs of numbers?



Check your understanding

Questions

Write the missing number in each bar diagram.

£18	
£13	?

£21	
£17	?

£19	
£12	?

Caitlyn has spent £15.
She has £6 left.
How much did she have to start with?

Fold here to hide answers

Check your understanding

Answers

Write the missing number in each bar diagram.

£18	
£13	£5

£21	
£17	£4

£19	
£12	£7

Do children count up to find the difference? Answers of £6, £5 and £8 respectively suggest children may have included the initial number in the count.

Caitlyn has spent £15.
She has £6 left.
How much did she have to start with? £21. An answer of £9 suggests a misreading of the question.