Class 3 Home Learning, week beginning 1st June 2020

Maths - Year 3

Summer Term, Week 3
(w/c 4th May)

Lesson 3
Subtract money

Please watch the video before choosing your challenge.

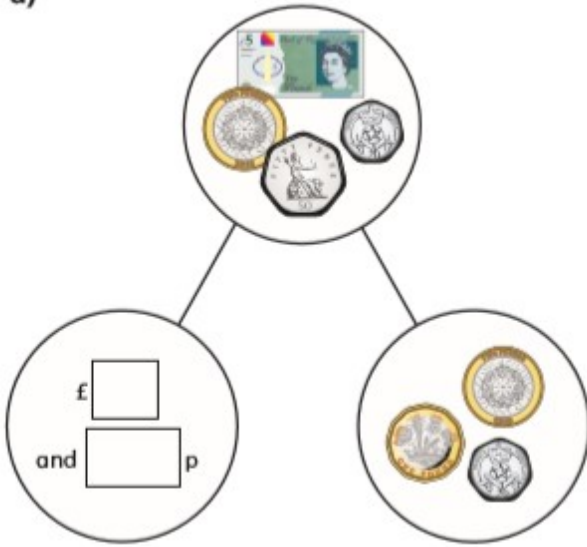Why not have a go at the reasoning
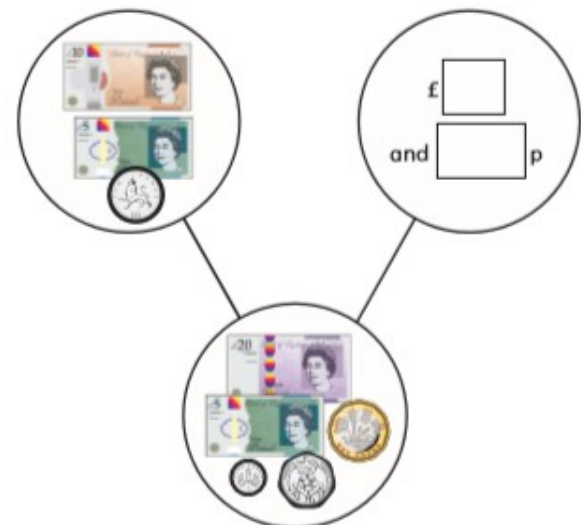and problem solving too?

Can I subtract money?

Challenge 1

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

Questions 1-4 mentioned in the video are questions 1-4 in this challenge.

1) Complete the part-whole models. Write the answers in your maths book.

a)

b)

2) If it helps, why not draw the coins in your maths book and then cross out the amount of money he puts in his money box?

Tommy has £5 and 75p in his pocket.

He puts £2 and 50p in his money box.

How much is left in his pocket?

3) Please show your calculations. Draw the coins in your book if it will help.

Whitney has £4 and 80p.

She buys this pair of socks.

How much money does Whitney have left?

£2 and 65p

4) Copy and complete. Show your calculations.

Complete the statements.

a) £8 and 65p – £5 and 25p = £ [ ] and [ ] p

b) £8 and 65p – £5 and 65p = £ [ ] and [ ] p

c) £8 and 65p – £8 and 30p = £ [ ] and [ ] p

Can I subtract money?

Challenge 2

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

> Questions 1-4 mentioned in the video are questions 1-4 in Challenge 1.
>
> Questions 4-7 are questions 1-4 in this challenge.

1) Copy and complete. Show your calculations.

Complete the statements.
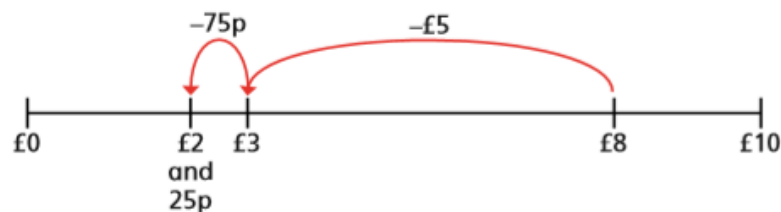
a) £8 and 65p – £5 and 25p = £ ⬜ and ⬜ p

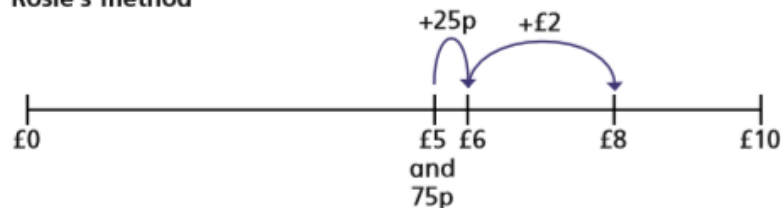b) £8 and 65p – £5 and 65p = £ ⬜ and ⬜ p

c) £8 and 65p – £8 and 30p = £ ⬜ and ⬜ p

2) Please explain both of your answers in writing.

Amir and Rosie use a number line to subtract £5 and 75p from £8

Amir's method

−75p   −£5

£0   £2 and 25p   £3   £8   £10

Rosie's method

+25p   +£2

£0   £5 and 75p   £6   £8   £10

Amir and Rosie both get £2 and 25p as their answer.

a) Explain each of these methods to a partner.

b) Whose method do you prefer? _____

Explain why.

3) Copy and complete.

a) £3 and 50p – £1 and 20p = £ [ ] and [ ] p

b) £3 – £1 and 50p = £ [ ] and [ ] p

c) £6 and 15p – £2 and 85p = £ [ ] and [ ] p

d) £8 and 7p – £3 and 54p = £ [ ] and [ ] p

4) Copy and complete. Show your calculations.

a)

£8 and 99p	
£8 and 96p	

b)

£9 and 15p	
	62p

Can I subtract money?

Reasoning and problem solving

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

1) Please show your calculations.

Jack has £2 and 90p.
Teddy has three times as much money as Jack.

How much more money does Teddy have than Jack?

Rosie has twice as much money as Teddy.

How much more money does Rosie have than Jack?

2) In writing, please explain your answers and how you know.

Three children are calculating £4 and 20p subtract £1 and 50p.

£4 − £1 = £2
20p − 50p = 30p
£1 + 30p = £1 and 30p

Annie

Teddy

| 50 p | £2 | 20 p |

£1 and 50 p   £2   £4   £4 and 20 p

The difference is £2 and 70p.

£4 and 20p − £2 = £2 and 20p
£2 and 20p + 50p = £2 and 70p

Eva

Who is correct? Who is incorrect? Which method do you prefer?

Subtract Money

Reasoning and Problem Solving

Jack has £2 and 90p.
Teddy has three times as much money as Jack.

How much more money does Teddy have than Jack?

Rosie has twice as much money as Teddy.

How much more money does Rosie have than Jack?

Jack: £2 & 90p
Teddy: £8 & 70p
Rosie: £17 & 40p

Teddy has £5 and 80p more than Jack.

Rosie has £14 and 50p more than Jack.

Use coins to support children in calculating.

Three children are calculating £4 and 20p subtract £1 and 50p.

£4 − £1 = £2
20p − 50p = 30p
£1 + 30p = £1 and 30p

Annie

Teddy

50 p   £2   20 p

£1 and 50 p   £2   £4   £4 and 20 p

The difference is £2 and 70p.

£4 and 20p − £2 = £2 and 20p
£2 and 20p + 50p = £2 and 70p

Eva

Who is correct? Who is incorrect?
Which method do you prefer?

Annie's second step of calculation is incorrect. Teddy and Eva both got the correct answer using different methods. Children may choose which method they prefer or discuss pros and cons of each.