2 Day Emergency Plan Maths Day 2

Learning focus

- **To reason about money and give change**

Watch this bitesize video to remind yourself of how to calculate change…

https://www.bbc.co.uk/bitesize/topics/z24k7ty/articles/z7r3382

Learn

How do you add and subtract money?

If you are just working with pounds, or just working with pence, you can add and subtract just like with ordinary numbers.

If you are working with pounds and pence, remember that **100p=£1**

Bridging through 100 can help. Here's what to do:

- work out what you need to add to your first number of pence to **make 100**
- **add 1 to the pounds** for the **100 pence**
- subtract what you added from the second number
- the number you have left says how many pence you have
- add this to the number of pounds you have for the final answer

Example

What is **70p + 40p?**

What do you need to add to **70p** to make **100p**?

70p + 30p = 100p

This makes **£1**.

Take **30p** away from **40p**

40p - 30p = 10p

Add this to the pounds to make **£1.10p**

Apply

Can you solve these problems and explain your answers?

Harrison has £4. He spends £2 and 58p. How much change does he receive? Draw and complete a number line to help you.

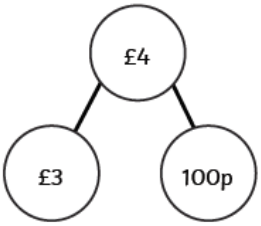
Harrison received _____ change.

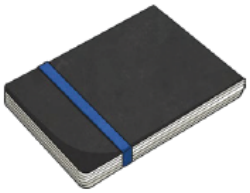
Abraham is working out the change he will receive from £4 if he buys a notebook for £1 and 60 pence. He uses a part-whole model to partition the £4 into £3 and 100 pence. Complete the calculations to find the change.

£3 − £1 = _____

100p − 60p = _____

Abraham receives _____ change.



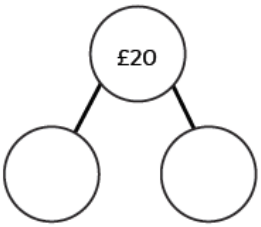


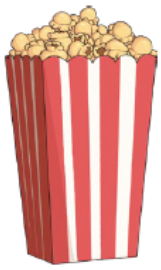
Jennie spent £8 and 54 pence on snacks at the cinema. She paid with a £20 note. Complete the part-whole model to help you to work out how much change she will receive.

_____ − £8 = _____

_____ − 54p = _____

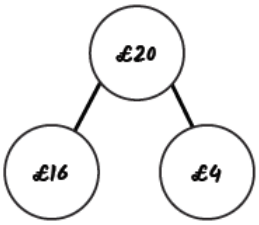
Jennie receives _____ change.



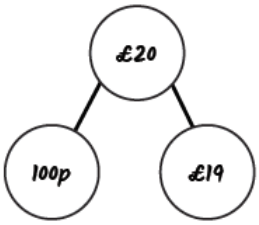


Kristina and Finlay spent £8 and 68p at the cinema and paid with a £20 note. They have both drawn a part-whole model to help calculate the change they should receive.

Kristina



Finlay



Whose model would you use to help calculate the change? Explain your reasons.

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