## Maths Mastery

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## Counting On

Ruby and Mohammed are practising giving change by counting on. They have some coins.
Ruby asks for a packet of crisps and pays with $£ 1$.
Mohammed says, "That is 45 p." He takes the $£ 1$ from Ruby and continues, 45 p, 50p (giving 5 p) and $£ 1$ (giving 50p.)" The change given is 55 p.


## Counting On

Here are some amounts from which to count on to $£ 1$. Use coins and practise together.

32p: 32p: 33p (1p), 35p (2p), 40 (5p), 50p (10p), £1 (50p)
67p: 68p (1p), 70p (2p), 80p (10p), £1 (20p) - Change 33p
53p: $55 p(2 p), 60 p(5 p), 80 p(20 p), £ 1(20 p)-C h a n g e ~ 47 p$
84p: 85p (1p), 90p (5p), £1 (10p) - Change 16p

Now practise together with different amounts and with different payments (£1.50, £2 etc.)

Click to show Answers

## Change with a Number Line

Ruby uses a number line to calculate change. She buys an apple and a bottle of water.


52p

## Change with a Number Line

How could you calculate the change from $£ 1$ on a number line?

$4 p+10 p=14 p$
Change $=14 p$
Click to hide Answers

## Change with a Number Line

Mohammed uses the bar model to calculate change. He buys book and a pencil.

£1.45
27p


## Change with the Bar Model

How could you calculate the change from $£ 2$ on a number line?

| $£ 1.45$ | 27 p |  |  |
| :---: | :---: | :---: | :---: |
| 140p | 5p | 20 p | 7 p |
| 160 p |  | 12 p |  |
| $170 p$ |  | $2 p$ |  |



Click to show Answers

