## Week 10, Day 2 <br> Use counting up (Frog) to calculate change (1)

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.

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

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

4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the Investigation...

## Learning Reminders

Use counting up (Frog) to calculate change from $£ 5$.


We can count up on a number line!


## Learning Reminders

Use counting up (Frog) to calculate change from $£ 10$.


We can draw a bar model to show the problem...

| $£ 10$ |  |
| :--- | :--- |
| $£ 4.67$ | $?$ |

Use counting up (Frog) to calculate change from $£ 10$.

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## Learning Reminders

Use counting up (Frog) to calculate change from $£ 20$.


## Practice Sheet Mild <br> Finding change from $£ 5$ and $£ 10$

You have $£ 5$. How much change will you get if you buy the following:

1. Cupcake $£ 1.25$
2. Ham sandwich $£ 3.68$
3. Bowl of soup $£ 2.59$
4. Yoghurt $£ 1.16$
5. Milkshake $£ 4.82$
6. Jacket potato $£ 4.07$

You have $£ 10$. How much change will you get if you buy the following:
7. Cheese on toast with salad $£ 5.61$
8. Ice cream sundae $£ 4.55$
9. Ploughman's lunch $£ 7.99$
10. Afternoon tea $£ 8.88$

## Practice Sheet Hot <br> Finding change from $£ 10$ and $£ 20$

You have $\mathbf{£ 1 0}$. How much change will you get if you buy the following:

1. Cheese and ham panini $£ 5.29$
2. Banana sundae $£ 3.75$
3. Soup and sandwich $£ 6.49$
4. Cream tea $£ 5.68$
5. Pancake stack $£ 4.22$

You have $£ \mathbf{2 0}$. How much change will you get if you buy the following:
6. Pizza $£ 13.66$
7. Spaghetti bolognaise $£ 14.51$
8. Burger and chips $£ 1.79$
9. Fish and chips $£ 12.87$
10. Chicken salad £9.28

## Challenge

Choose any two items from the menus. How much change will you get from $£ 20$ ? Be careful not to spend more than $£ 20$.
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## Practice Sheet Answers

## Practice Sheet (Mild)

1. $£ 5-£ 1.25=£ 3.75$
2. $£ 10-£ 5.61=£ 4.39$
3. $£ 5-£ 3.68=£ 1.32$
4. $£ 10-£ 4.55=£ 5.45$
5. $£ 5-£ 2.59=£ 2.41$
6. $£ 10-£ 7.99=£ 2.01$
7. $£ 5-£ 1.16=£ 3.84$
8. $£ 10-£ 8.88=£ 1.12$
9. $£ 5-£ 4.82=£ 0.18$
10. $£ 5-£ 4.07=£ 0.93$

## Practice Sheet (Hot)

1. Cheese and ham panini $£ 5.29 \quad £ 4.71$
2. Banana sundae £3.75 £6.25
3. Soup and sandwich
£6.49 £3.51
4. Cream tea
$£ 5.68$ £4.32
5. $£ 20-£ 13.66=£ 6.34$
6. $£ 20-£ 14.51=£ 5.49$
7. $£ 20-£ 11.79=£ 8.21$
8. $£ 20-£ 12.87=£ 7.13$
9. $£ 20-£ 9.28=£ 10.72$

## Work in pairs

Things you will need:

- Money lines
- $1 p$ and $2 p$ coins


## What to do:

- Here are Frog's bookmarks.


## Choose one.

Use Frog on a money line to help you to work out the change from $£ 1$.
Write a number sentence, e.g. $£ 1-45 p=55 p$.

- If the change is an odd amount of money, collect a $1 p$ coin. If the amount is even, collect a $2 p$ coin.
- Repeat with different bookmarks.
- Can you collect more than 10p?


46 p
57p
$91 p$
$83 p$

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

Draw how the change might be given each time.

## Learning outcomes:

- I can find the change from $£ 1$ using a money line.
- I am beginning to show how change might be given.




