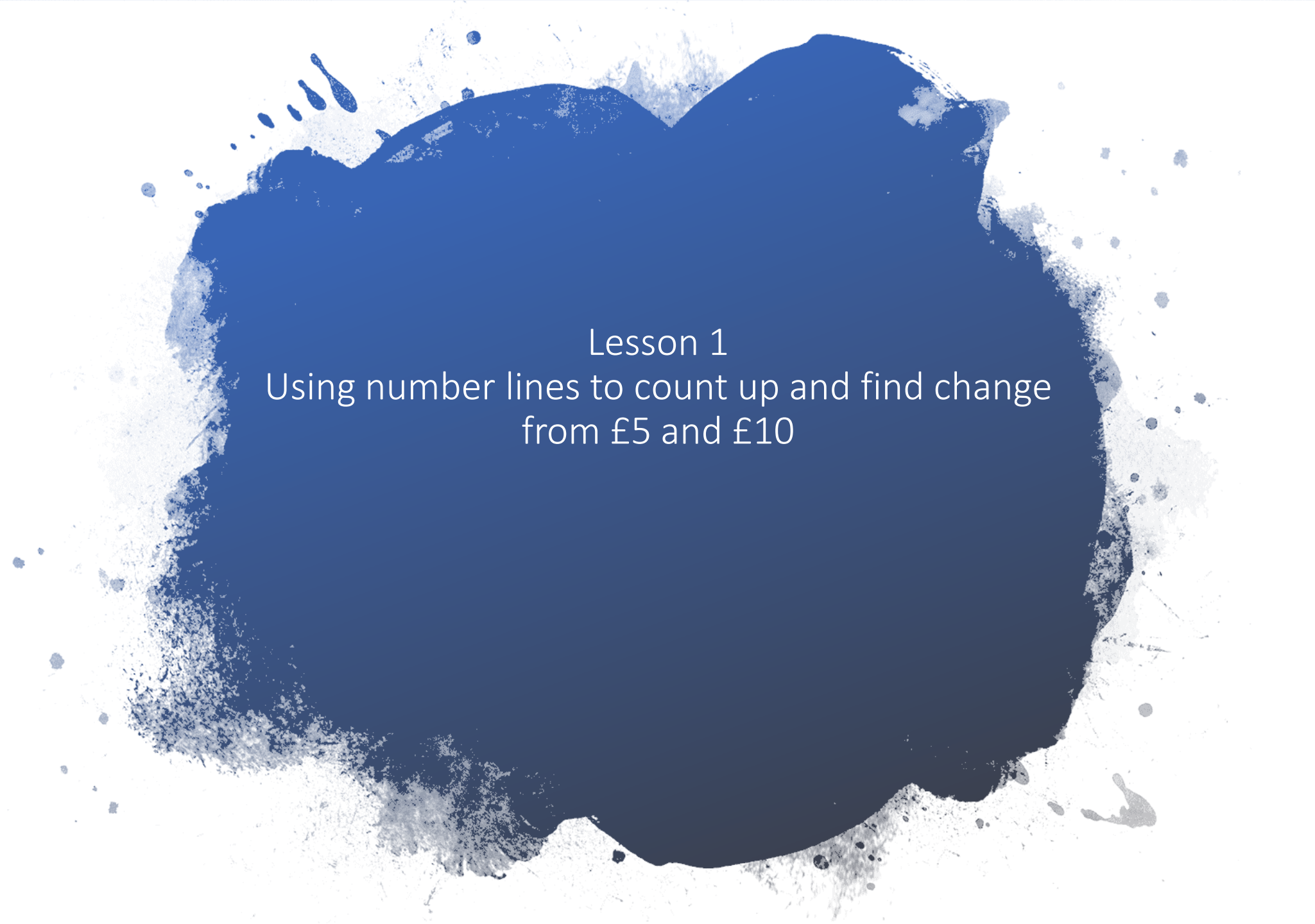


Subtraction in the context of Money

Lesson 1: Count up to
find change from £5
and £10

Lesson 2: Count up
to find a price
difference

Lesson 3: Word
Questions



Lesson 1

Using number lines to count up and find change from £5 and £10

Let's do a
quick brain
warm-up

What's the
difference?

Change from £1

£1	
69p	?

£1	
49p	?

£1	
73p	?

£1	
17p	?

£1	
86p	?

£1	
65p	?

£1	
52p	?

£1	
81p	?

Count up to
find change
from £5 and
£10

The image shows a worksheet for a money counting exercise. At the top right is a £5 Bank of Hamilton banknote. On the left are three price tags with the following values: £2.85, £3.79, and £1.55. In the center is a large blue starburst containing a question. To the right of the starburst are two cartoon faces, one pink and one brown, looking at each other.

£5 Bank of Hamilton Five Pounds

£2.85

£3.79

£1.55

The labels show the costs of some items.
If you have £5 to spend on each, how could you calculate the change each time?

We can use Frog!
Let's try for the
item costing **£2.85**.

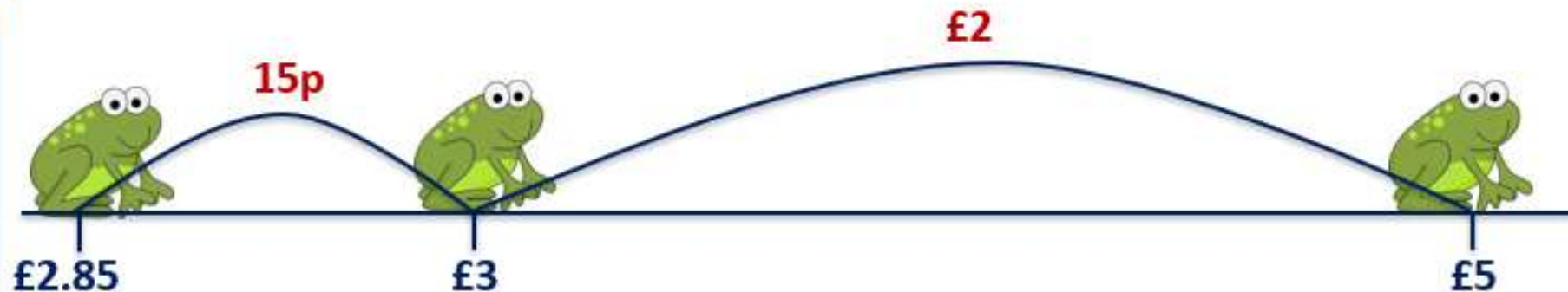
Draw a line and mark
**£2.85 on the left and
£5 on the right...**

Frog's ready to
go!

Frog knows that **85
+ 15 = 100** so he
jumps **15p** to £3...

... and then **£2** to £5.

So **£2.15 change**
from £5.



Count up to
find change
from £5 and
£10

The diagram is set against a light yellow background. At the top, there are three white price tags with black outlines and a small circle on the left. The first tag shows £6.75, the second shows £8.40, and the third shows £5.48. Below these tags, on the left, are two blue speech bubbles. The top bubble contains the text "These items cost more than £5!", where "more than £5!" is in red. The bottom bubble contains the text "But we've got £10 to spend!", where "£10" is in red. To the right of the speech bubbles is a yellow banknote. The banknote features the text "Bank of Hamilton" in a cursive font, "£10" in large bold letters, "Ten Pounds" below it, and a portrait of a woman on the right side.

Let's use Frog for the item costing **£6.75**.

Draw a line and mark **£6.75 on the left** and **£10 on the right...**

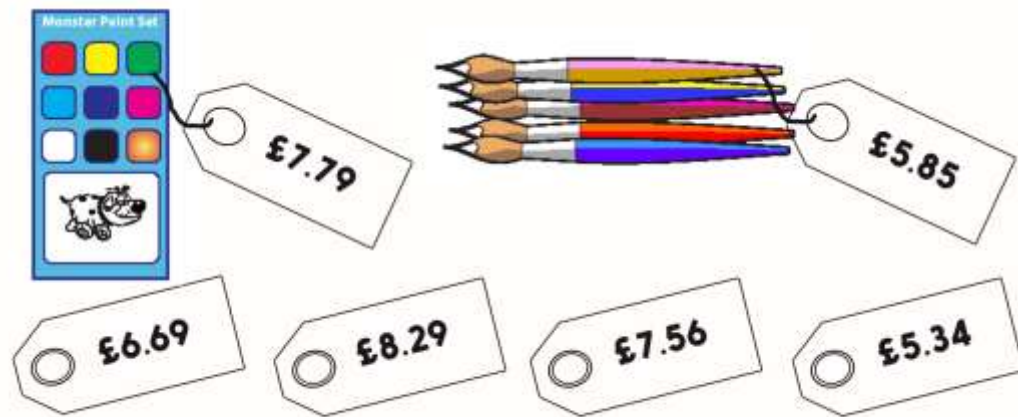
Frog's ready to go!

Frog knows that **$75 + 25 = 100$** so he jumps **25p** to **£7...**

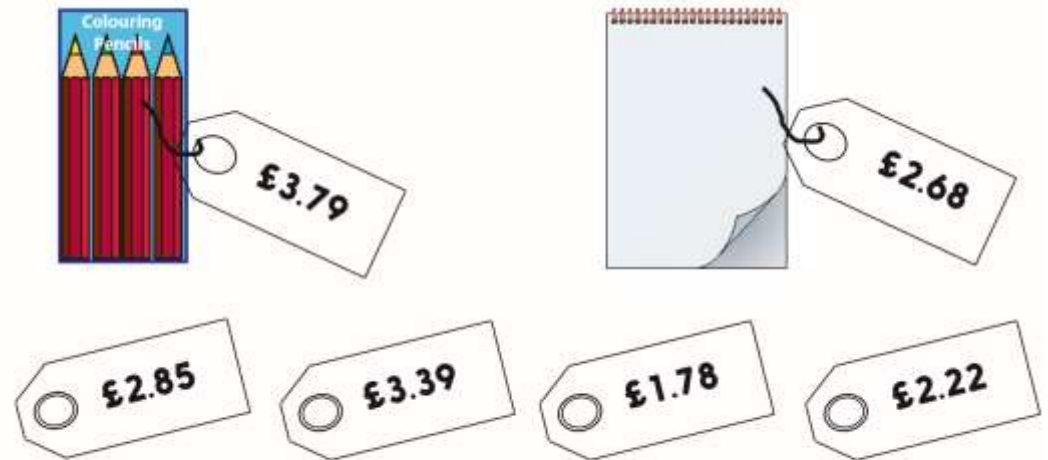
... and then **£3** to **£10**.

So **£3.25 change** from **£10**.



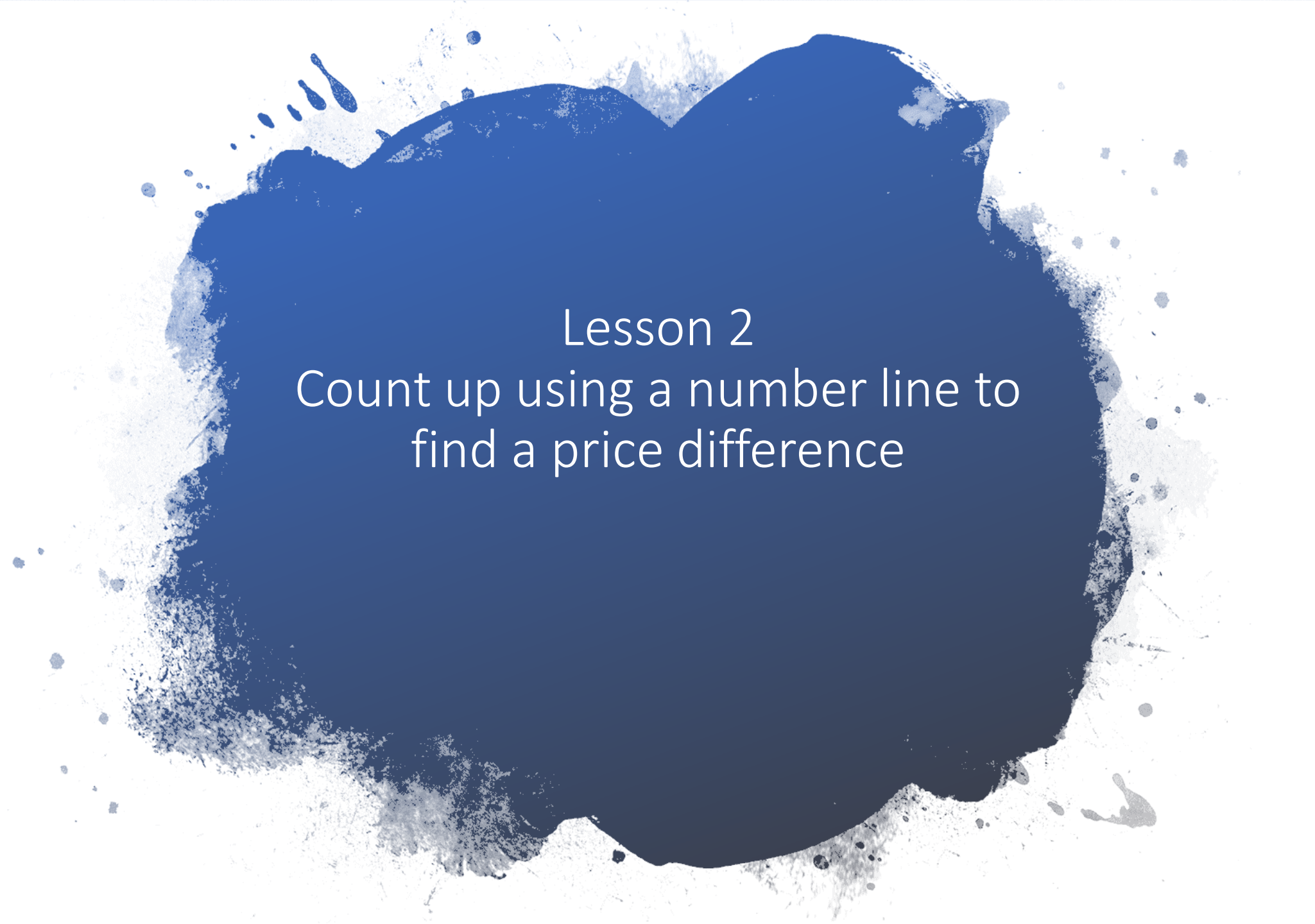


Find the change from £10 for each of these six prices.



Find the change from £5 for each of these six prices.

- Use a number line to help you find the change for these questions.
- You can use a ruler or a book to rule straight lines on a piece of paper.



Lesson 2

Count up using a number line to
find a price difference

Item	Old price	Sale price	Reduction
DVD	£9.25	£8.69	
Book	£6.50	£5.89	
Drawing pad	£3.79	£2.45	
CD	£7.25	£6.99	
Pencils	£4.25	£3.49	

These items have been reduced in the sale.
Which item do you think has been reduced by the most? And the least?
What are you looking at to make your estimates?



How can we find out how much the DVD has been reduced by?

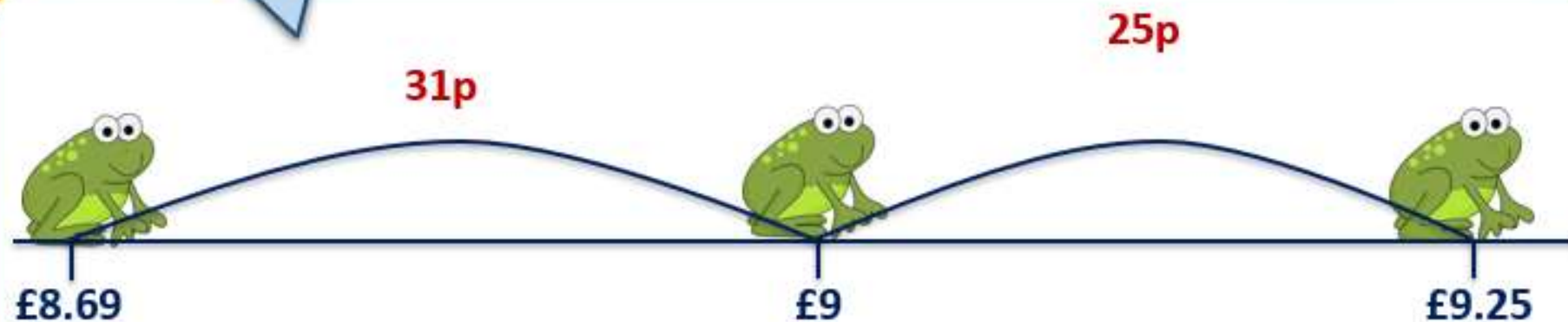
We can use Frog!
Draw a line and mark
**£8.69 on the left and
£9.25 on the right...**

Frog's ready to go!

Frog knows that
 $69 + 31 = 100$ so he
jumps **31p** to £9...

... and then **25p**
to £9.25.

So the reduction is
 $31p + 25p = ?$



DVD	£9.25	£8.69	56p
Book	£6.50	£5.89	61p
Drawing pad	£3.79	£2.45	£1.34
CD	£7.25	£6.99	26p
Pencils	£4.25	£3.49	76p

Which item had the
biggest reduction?
Which had the least?

How could you
check your answers?

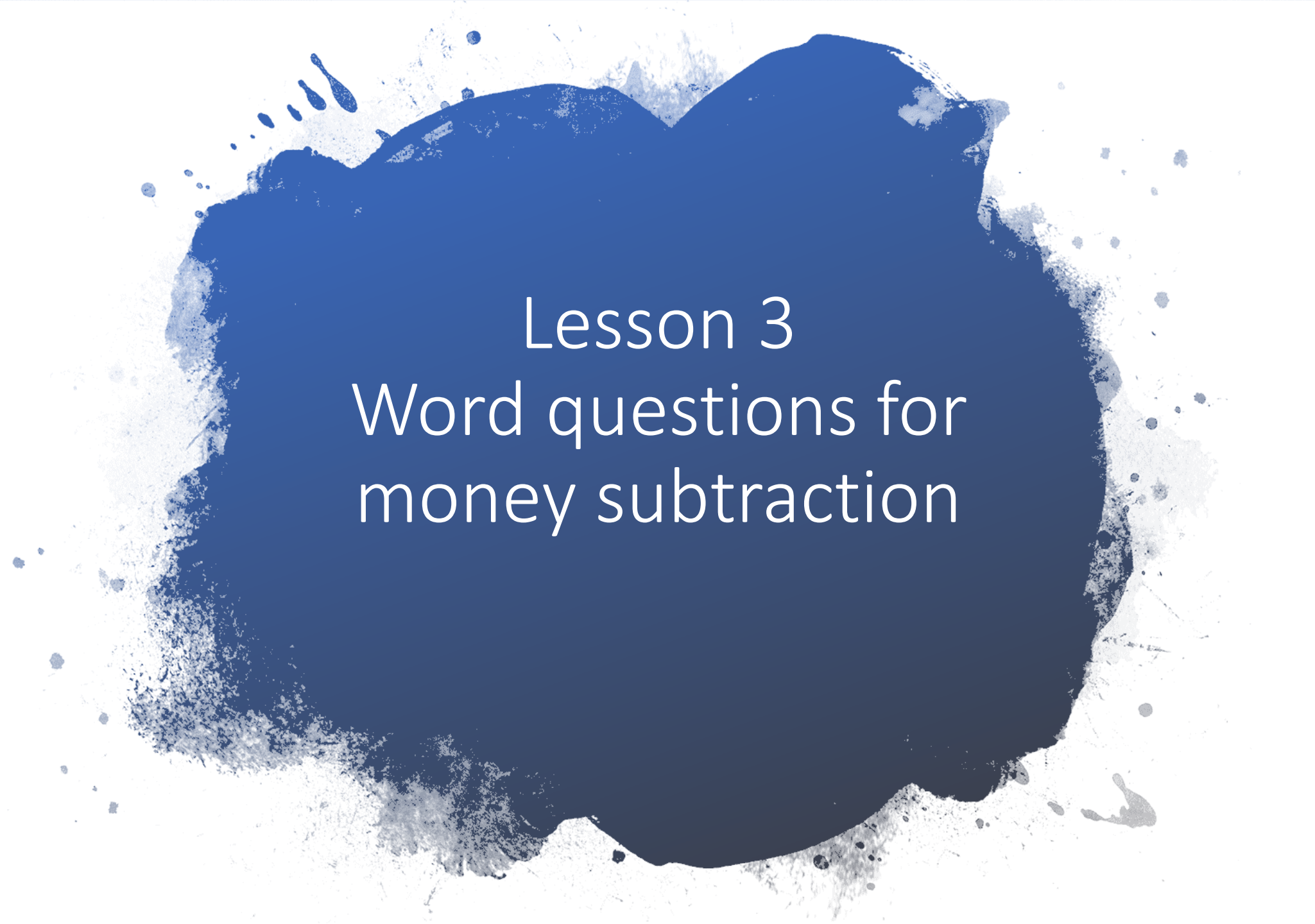
What's the **inverse** of
subtraction?

Now it's your turn

Find the difference in price between each pair of items:

Item	www.techy.co.uk	www.itgadgets.co.uk	Difference in price
2 GB memory stick	£9.49	£8.99	
Travel mouse	£12.99	£13.25	
100 blank CDs	£10.15	£9.79	
Phone sock	£6.10	£5.89	
Torch	£7.99	£8.49	
Mouse mat	£4.19	£3.90	

- Which item has the greatest difference in price? And the least difference?
- If you could only visit one shop, which would you choose? Why



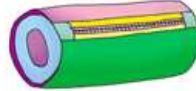


Lesson 3

Word questions for money subtraction

Let's apply the subtraction method we've learned to answer these questions

- James buys a rubber and a sharpener. He pays **with a £1.00 coin**. How much change does he receive?
- Ellen buys a ruler and a rubber. She pays **with a £2.00 coin**. How much change is she given?
- Tom has **£5.00**. He buys a pack of pens and a rubber. How much money does he have left over?
- Sophie buys a packet of coloured pencils and a sharpener. She pays **with a £5.00 note**. How much change is she given?
- Joe buys a packet of coloured pencils and a ruler. He pays **with a £5.00 note**. How much change is he given?
- Amy has saved up **£10.00**. She buys a pencil case and a ruler. How much money does she have left over?
- Amy wants to buy a packet of coloured pencils **with her change**. How much more money will she need?
- Can you write and solve your own word problem, involving adding together the cost of two items and finding change?

		
Rubber	Pack of pens	Sharpener
45p	£4.00	36p

		
Pencil case	Coloured pencils	Ruler
£5.95	£3.20	£1.15