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

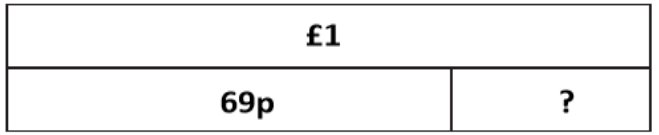
Lesson 3: Word Questions

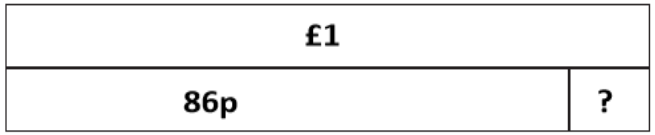
Lesson 1
Using number lines to count up and find change from £5 and £10

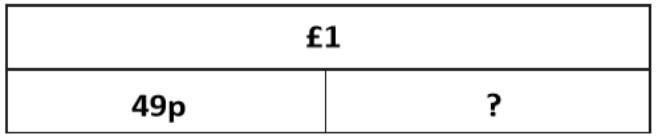
Let’s do a quick brain warm-up

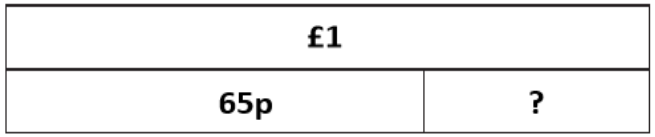
What’s the difference?

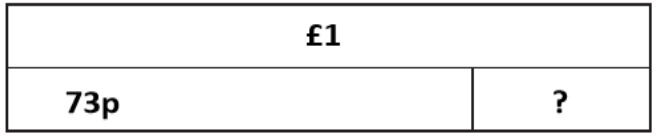
Change from £1

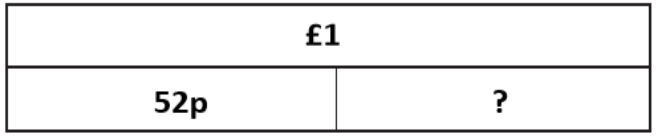


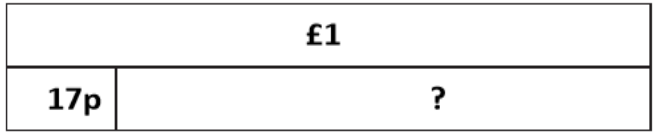


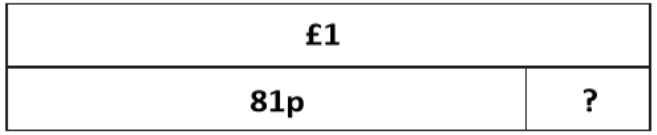




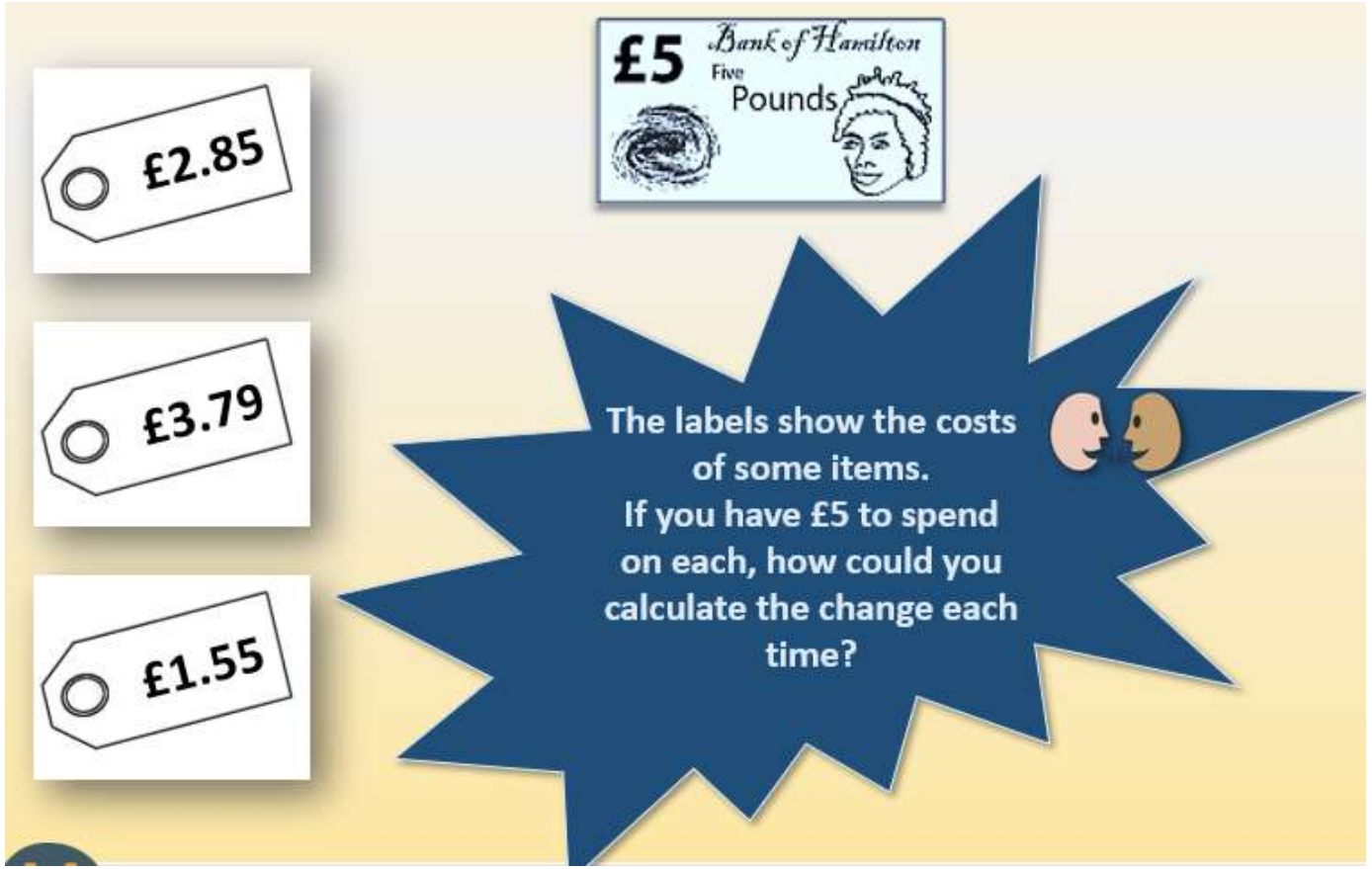








Count up to find change from £5 and £10



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

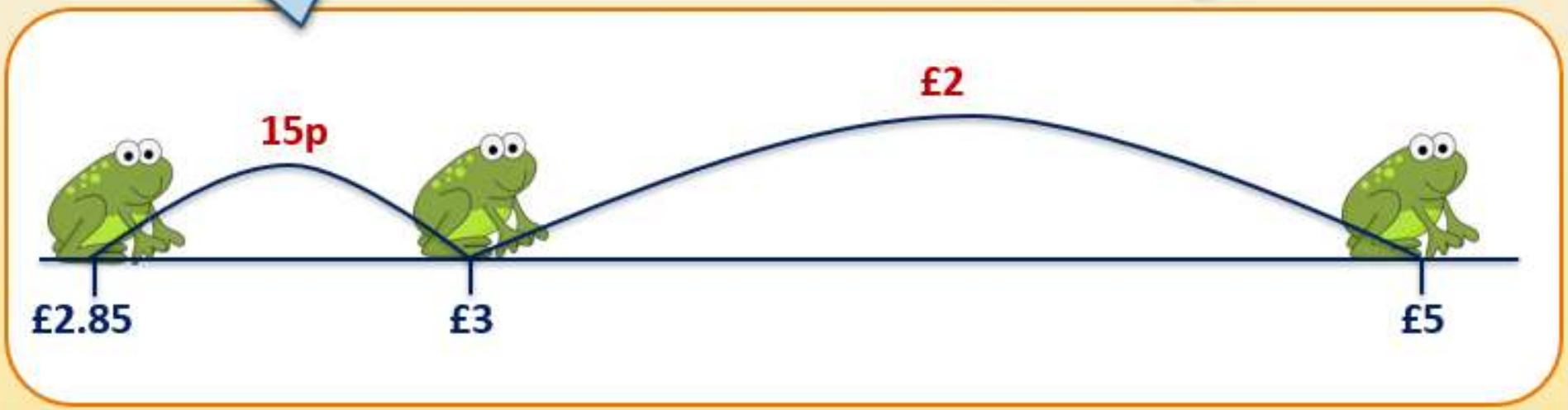
Draw a line and mark £2.85 on the left and £5 on the right...

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

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

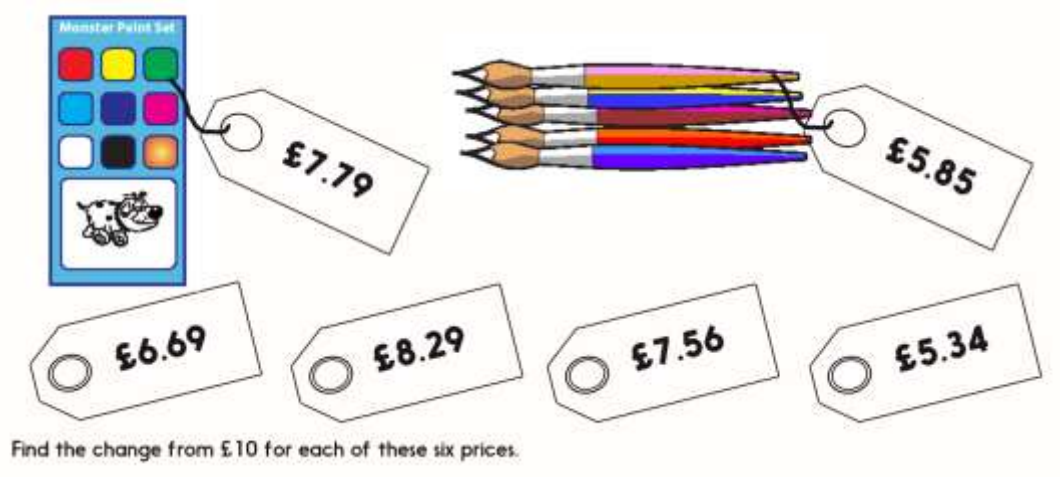
Draw a line and mark £6.75 on the left and £10 on the right...

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.



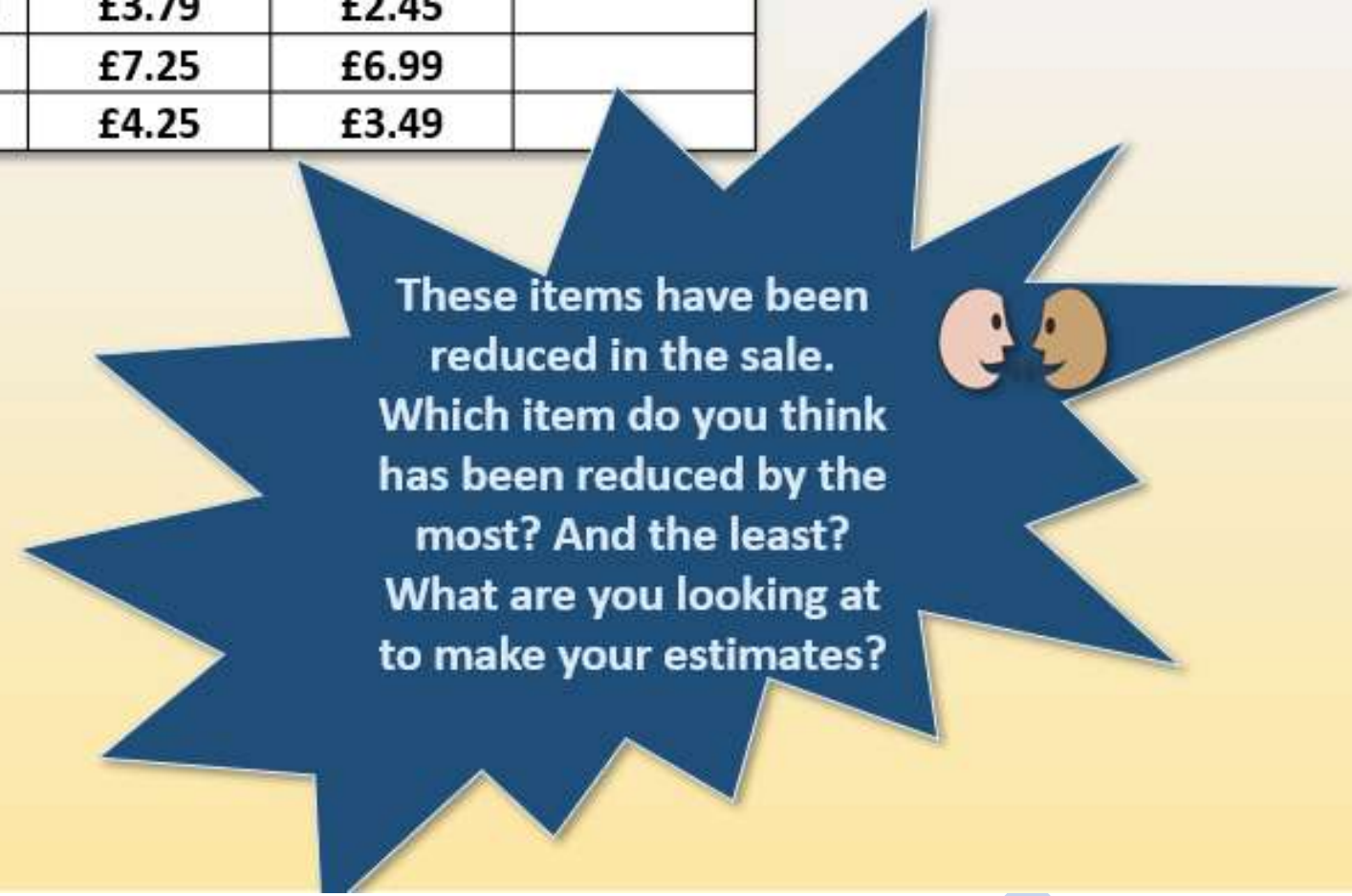
Find the change from £10 for each of these six prices.

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	



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

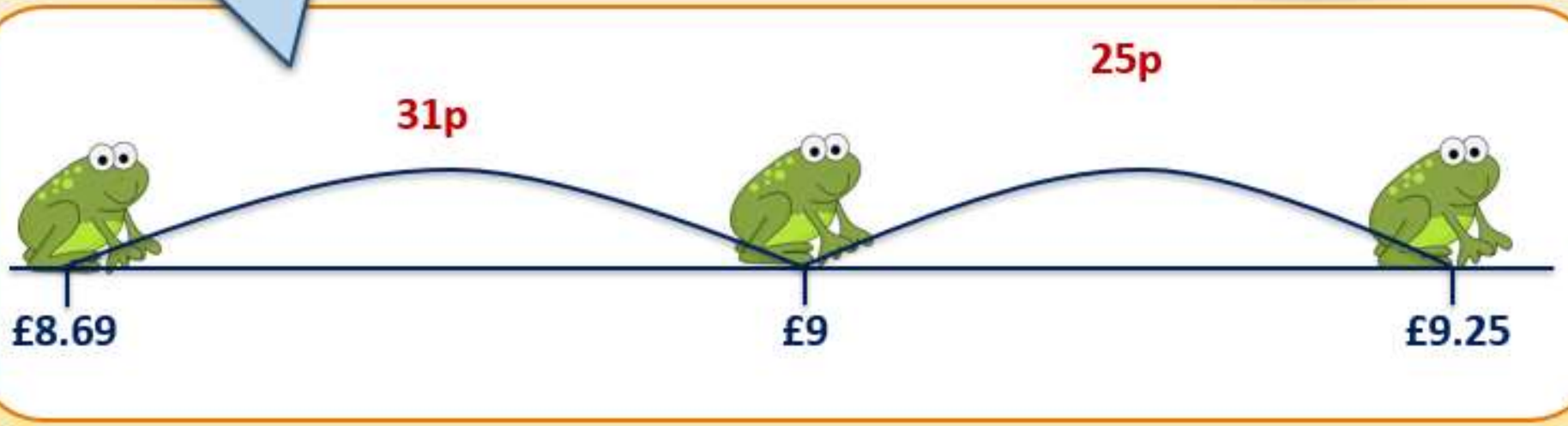
We can use Frog! Draw a line and mark £8.69 on the left and £9.25 on the right...

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 pr
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	

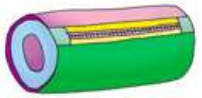
- Which item has the greatest difference in price? And the least difference?
- If you could only visit one shop, which would you choose? Why

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