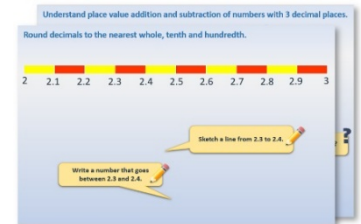


Week 10, Day 3

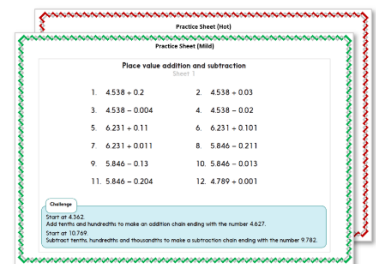
Use counting up to find change and differences between prices

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by carefully reading through the **Learning Reminders**.



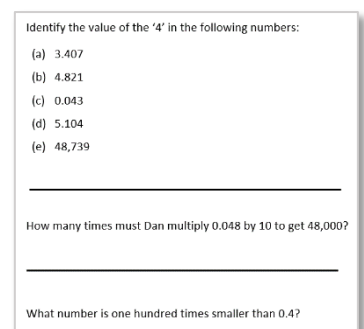
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



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



4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!



Learning Reminders

Use counting up to find change and differences between prices.

Let's pretend that you have a £100 budget for a bedroom makeover.

bean bag £14.79	lava lamp £18.49
duvet cover £24.45	rug £35.25
bookshelves £45.78	computer chair £32.45
computer desk £58.38	hanging chair £45.79

Let's choose two items, the bean bag and duvet cover.
We want to find how much change is left from our £100 budget.

We can use a **bar model** to show what we have spent and what we need to find.

£100		
Bean bag £14.79	Duvet £24.45	Change?

Learning Reminders

Use counting up to find change and differences between prices

This is a **2-step problem**.

First use **column addition** to find the total cost of the bean bag and duvet.

$$\begin{array}{r} \text{£ } 14.79 \\ + \text{£ } 24.45 \\ \hline \text{£ } 39.24 \end{array}$$

Then, **count up** using a number line jotting to find the change from £100.



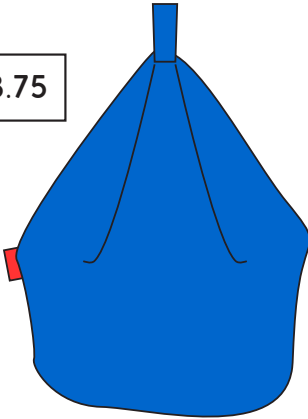
Choose two more items from the list. Find the total cost, then calculate the change from £100.

Practice Sheet Mild

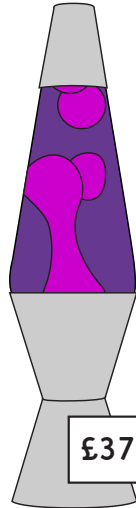
Finding change

Find the amount left over from £100 for each item.

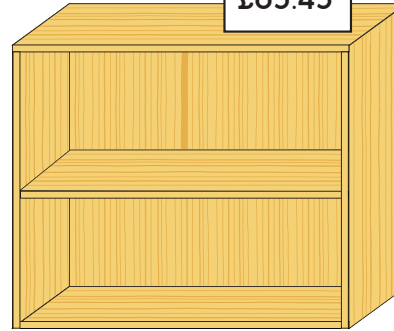
£23.75



£37.89



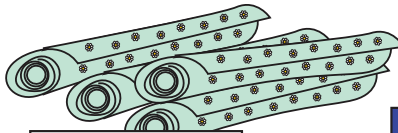
£65.45



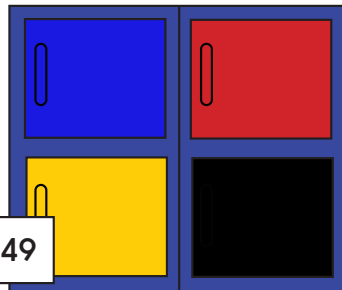
£75.59



4 rolls for the price of 3
£23.67



£58.49

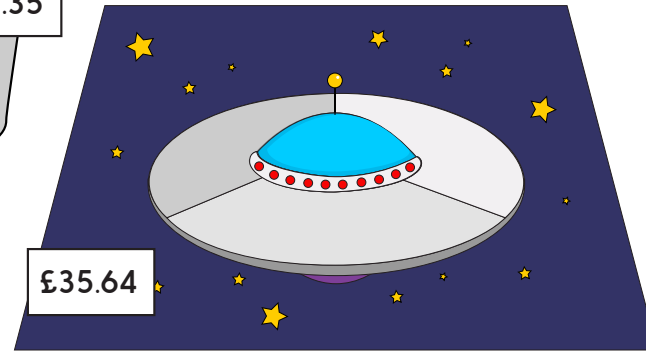


£21.35



Paint

£35.64



Choose two of your answers to check with addition.

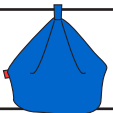


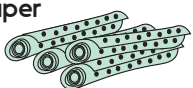


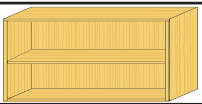

Challenge

Choose two items with a total cost of less than £100. How much would be left over from £100?

Practice Sheet Hot

Price differences

Find the difference in online and in-store price for each item:

Item	Online Price	In store Price	Difference
Beanbag 	£23.75	£19.89	
Lava lamp 	£37.89	£36.56	
Curtains 	£75.59	£79.50	
Wallpaper 	£23.67	£29.96	
Rug 	£35.64	£32.78	
Paint 	£21.35	£23.15	
Bookcase 	£65.45	£59.69	
Cupboard 	£58.49	£62.20	

Challenge

Choose two items with a total cost of less than £100. How much would be left over from £100?
Repeat for another pair.

Practice Sheets Answers

Finding change (mild)

Beanbag	$£100 - £23.75 = £76.25$
Lava lamp	$£100 - £37.89 = £62.11$
Bookcase	$£100 - £65.45 = £34.55$
Curtains	$£100 - £75.59 = £24.41$
Wallpaper	$£100 - £23.67 = £76.33$
Storage cabinet	$£100 - £58.49 = £41.51$
Paint	$£100 - £21.35 = £78.65$
Rug	$£100 - £35.64 = £64.36$

Challenge

Choose two items with a total cost of less than £100. How much would be left over from £100?

e.g. Orange paint $£21.35 +$ lava lamp $£37.89 = £59.24$

$£100 - £59.24 = £40.76$

e.g. Space rug $£35.64 +$ storage box $£58.49 = £94.13$

$£100 - £94.13 = £5.87$

Price differences (hot)

	Online	In store	
Item	Price	Price	Difference
Beanbag	£23.75	£19.89	£3.86
Lava lamp	£37.89	£36.56	£1.33
Curtains	£75.59	£79.50	£3.91
Wallpaper	£23.67	£29.96	£6.29
Rug	£35.64	£32.78	£2.86
Paint	£21.35	£23.15	£1.80
Bookcase	£65.45	£59.69	£5.76
Cupboard	£58.49	£62.20	£3.71

Challenge

Choose two items with a total cost of less than £100. How much would be left over from £100?

e.g. Orange paint $£21.35 +$ lava lamp $£37.89 = £59.24$

$£100 - £59.24 = £40.76$

e.g. Space rug $£35.64 +$ storage box $£58.49 = £94.13$

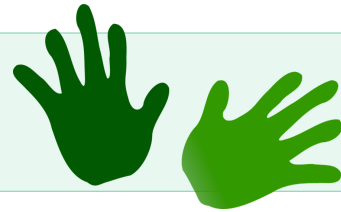
$£100 - £94.13 = £5.87$

A Bit Stuck? Winter warmers

Work in pairs

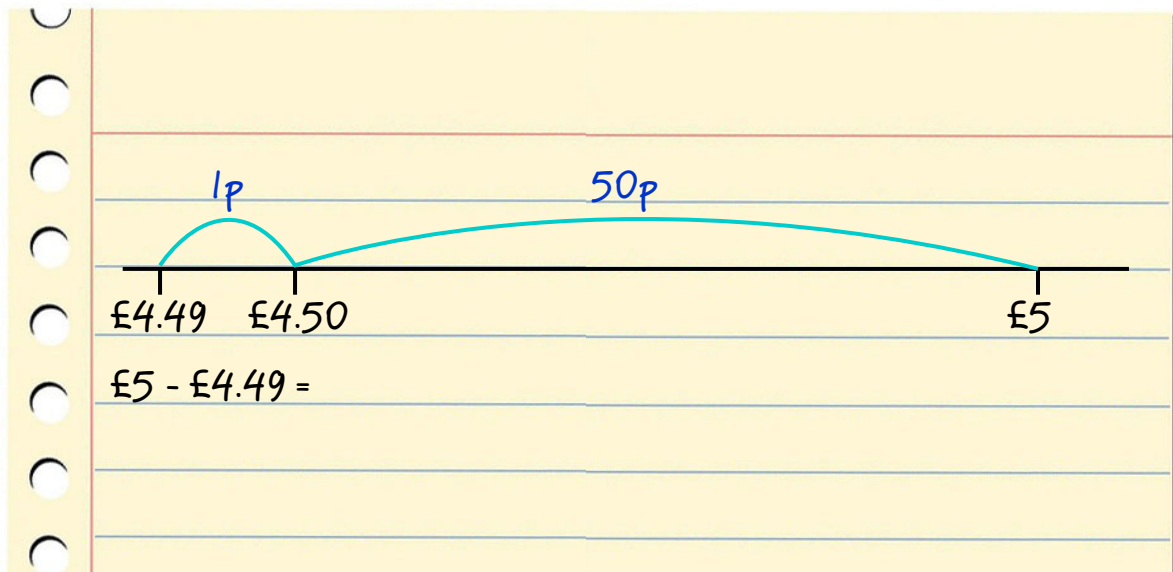
Things you will need:

- A pencil



What to do:

- Take it in turns to choose a hat or a beanie from the web page.
- Use Frog to find the change from £5.
- How many hats can you buy before you run out of time?



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

Choose two hats and find the change from £10.

Learning outcomes:

- I can use Frog to find the change from £5 (answers less than £1).
- I am beginning to use Frog to find the change from £10.

GO



Your account



Your basket

Men's

Women's

Kid's

Walking

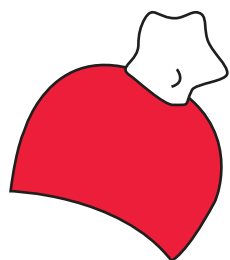
Running

Climbing

Camping

Winter hats

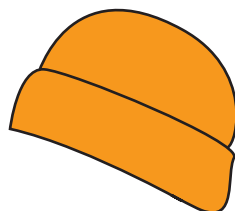
Wrap up and keep warm this winter with our latest range of winter hats.



Red pom-pom beanie

£4.49

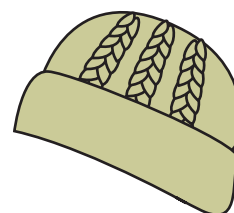
Add to basket



Orange plain knit beanie

£4.85

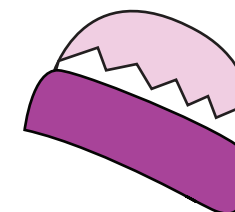
Add to basket



Khkai Aran knit beanie

£4.63

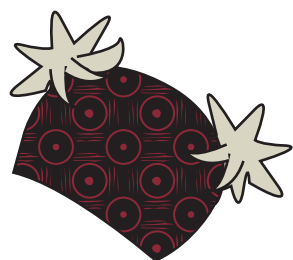
Add to basket



Purple zig-zag striped beanie

£4.75

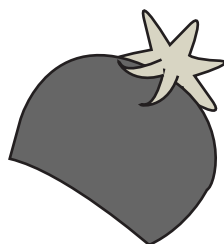
Add to basket



Techno pattern double pom-pom beanie

£4.25

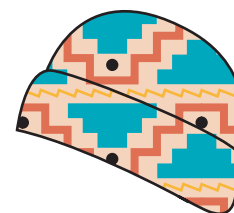
Add to basket



Grey pom-pom beanie

£4.37

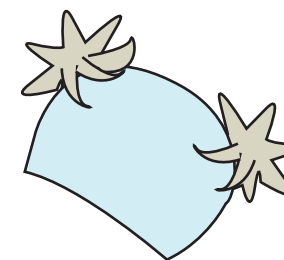
Add to basket



Aztec knit beanie

£4.59

Add to basket



Pale blue fluffy pom-pom beanie

£4.46

Add to basket

Check your understanding

Questions

Choose two numbers, then find the difference between them.

16.12

13.57

8.87

14.45

Repeat this twice.

Calculate the missing numbers:

(a) $23.4 - \square = 18.67$

(b) $15.5 = \square + 8.78$

(c) $32.4 - 18.55 = \square$

Calculate the change from £100 when buying:

- chair £56.89
- table £75.37
- rug £20.08

Check your understanding

Answers

Choose two numbers and find the difference between them.

Any 2 from:

$$16.12 - 14.45 = 1.67$$

$$16.12 - 13.57 = 2.55$$

$$16.12 - 8.87 = 7.25$$

$$14.45 - 13.57 = 0.88$$

$$14.45 - 8.87 = 5.58$$

$$13.57 - 8.87 = 4.7$$

Write the missing numbers.

(a) $23.4 - [4.73] = 18.67$

(b) $15.5 = [6.72] + 8.78$

(c) $32.4 - 18.55 = [13.85]$

Find change from £100 when buying:

- chair £56.89 £43.11
- table £75.37 £24.63
- rug £20.08 £79.92

These are probably best answered by **counting up** to find the difference.