

## Subtracting decimals with the same number of decimal places

- 1 Use a place value chart and counters to help you complete the subtractions.

Tens	Ones	Tenths	Hundredths
10	1 1 1 1	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.01 0.01 0.01

a)  $14.83 - 12.12 =$        c)  $14.83 - 12.92 =$

b)  $14.83 - 12.14 =$        d)  $14.83 - 12.94 =$

- e) Which calculation was easier? Talk about it with a partner.  
 f) What happens when you don't have enough counters in a column to take away?

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- 2 Complete the sentences.

1 ten can be exchanged for  ones.

1 one can be exchanged for  tenths.

1 tenth can be exchanged for 10 \_\_\_\_\_.



- 3 Annie is calculating  $2.42 - 1.17$  using the column method. She uses a place value chart to help her.

Ones	Tenths	Hundredths
1 1	0.1 0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01

2	.	4	2	
-	1	.	1	7
<hr/>				
1	.	2	5	

How does the place value chart support the column method?  
 Talk about it with a partner.

- 4 Complete the column subtractions.

a)

	5	.	6	4
-	3	.	1	2
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	.			
<hr/>				

c)

	8	.	0	9
-	3	.	8	1
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	.			
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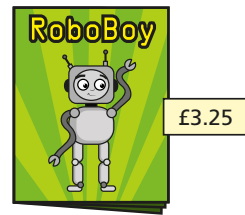
b)

	5	.	6	4
-	3	.	1	5
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	.			
<hr/>				

d)

	1	2	.	0	2
-	1	1	.	3	8
<hr/>					
	.				
<hr/>					

- 5 Whitney has £8.52  
She buys this comic.  
How much money does she have left?



£

- 6 Here are some items for sale in a shop.



- a) How much more does a scarf cost than a bag of marbles?

£

- b) Esther has £15.31

She buys a pair of headphones and a bag of marbles.  
How much money does she have left?

£

- c) Tom has £7.01

He buys one item and has £5.92 left.  
What did he buy?

Tom bought \_\_\_\_\_.

- 7 Ron and Dora are doing a sponsored walk.  
Ron walks 3.12 miles.  
Dora walks 5.49 miles.  
How much further does Dora walk than Ron?  
Dora walks  miles further than Ron.

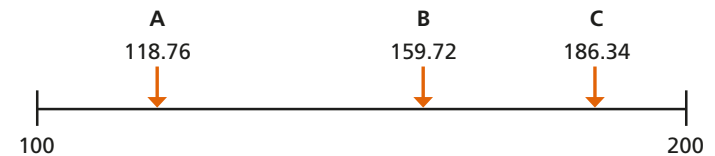
- 8 Tommy has three pieces of string.
- The first piece is 0.78 m long.
  - The second piece is 0.24 m shorter than the first piece.
  - The third piece is 0.07 m shorter than the second piece.

What is the total length of all three pieces of string?

Give your answer in metres and centimetres.

m and  cm

- 9 A, B and C are points on a number line.



How much greater is the difference between A and C than the difference between B and C?

Compare methods with a partner.