

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 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?

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
	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

c)

		8	•	0	9
	-	3	•	8	1

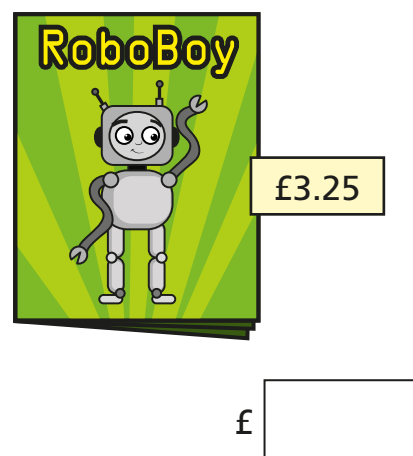
b)

		5	•	6	4
	-	3	•	1	5

d)

		1	2	•	0	2
	-	1	1	•	3	8
				•		

- 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?

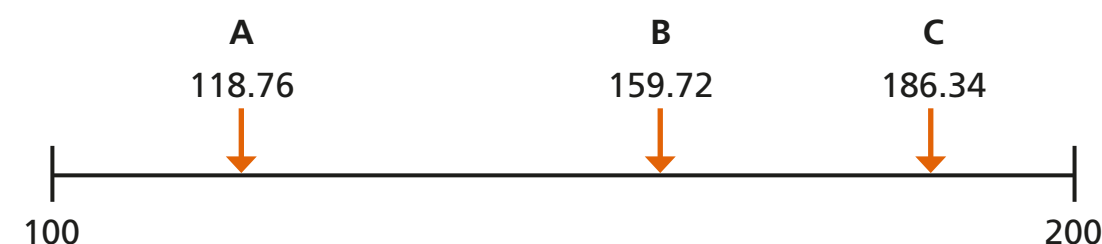
Tom bought _____.

- 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.