

Subtracting decimals with a different number of decimal places



1 Use place value counters to help you work out the subtractions.

Ones	Tenths	Hundredths
● ● ●	● ● ●	● ● ●
● ●		● ● ●

a)

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

c)

	5	3	6	
-	3	8		
<hr/>				
	1	5	6	

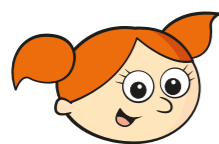
b)

	5	3	6	
-	3	5		
<hr/>				
	1	8	6	

d)

	5	3	6	
-	4	7		
<hr/>				
	0	6	6	

2 Alex is using counters to help her work out $4.7 - 1.35$



I can't do this as I don't have any hundredths counters.

Do you agree with Alex? No

Talk about it with a partner.

3 Complete the subtractions.

a)

	2	3	6	
-	1	4		
<hr/>				
	0	9	6	

c)

	7	3	0	
-	1	1	5	
<hr/>				
	6	1	5	

b)

	6	1	5	
-	3	8		
<hr/>				
	2	3	5	

d)

	2	4	0	
-		3	1	2
<hr/>				
	2	1	2	8

4 Use the column method to work out the subtractions.

a) $13.59 - 1.82$

		2		
	1	3	5	9
-		1	8	2
<hr/>				
	1	1	7	7

c) $5.6 - 1.39$

		5	0	
	5	6	0	
-	1	3	9	
<hr/>				
	4	2	1	

b) $73.84 - 9.2$

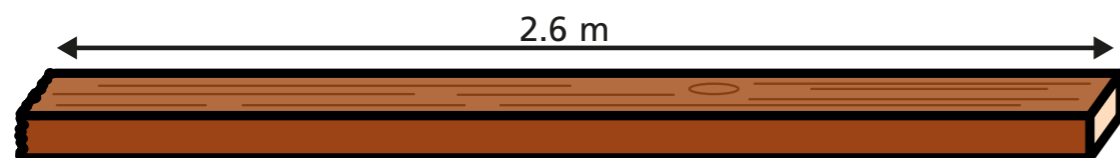
		6		
	7	3	8	4
-		9	2	
<hr/>				
	6	4	6	4

d) $18.2 - 3.64$

		1	0	
	1	8	2	0
-		3	6	4
<hr/>				
	1	4	5	6

5 A plank of wood measures 2.6 m.

A carpenter cuts a piece of wood from the plank that is 0.52 m long.



a) What is the length of the remaining plank?

2.08 m

b) The carpenter cuts a second piece of wood from the plank.

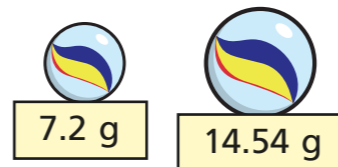
She now has 0.3 m of the plank remaining.

What is the length of the second piece of wood that she cut?

1.78 m

6 The mass of a bag of marbles is 54.3 g.

These two marbles are removed from the bag.



What is the mass of the bag of marbles now?

32.56 g

7 Work out the missing digits.

$$\underline{1}3.4 - 2.5\underline{9} = 10.81$$

8 Use the column method to work out the subtractions.

a) $14 - 2.7$

		1	3	0	
-			2	7	
		1	1	3	

d) $26 - 3.91$

		2	5	0	0
-			3	9	1
		2	2	0	9

b) $8 - 3.65$

		8	0	0	
-			3	6	5
		4	3	5	

e) $25 - 3.842$

		2	4	0	0	
-			3	8	4	2
		2	1	1	5	8

c) $20 - 2.85$

		2	0	0	0
-			2	8	5
		1	7	1	5

f) $90 - 0.821$

		9	0	0	0	
-			0	8	2	1
		8	9	1	7	9