






# Adding decimals with a different number of decimal places



- 1 Ron is adding 1.4 and 2.53  
He makes each number with counters.

Ones	Tenths	Hundredths
		
		

- a) What is the answer to Ron's calculation?
- b) Explain your method to a partner.
- c) Did you have to make an exchange? \_\_\_\_\_.

- 2 Work out the additions.

a)

		3	•	0	2
	+	1	•	6	
			•		

c)

		2	•	8	
	+	3	•	4	5
			•		

b)

		1	3	•	5	
	+		0	•	2	3
				•		

d)

			6	•	1	5
	+	1	3	•	9	
				•		

- 3 Filip is adding two numbers together.  
He writes it as a column addition.

$$\begin{array}{r} 13.8 \\ + 19.5 \\ \hline 33.3 \\ \hline 11 \end{array}$$

- a) What mistake has Filip made?
- \_\_\_\_\_
- \_\_\_\_\_
- b) Use the column method to work out the correct answer.


- 4 Use the column method to work out the additions.

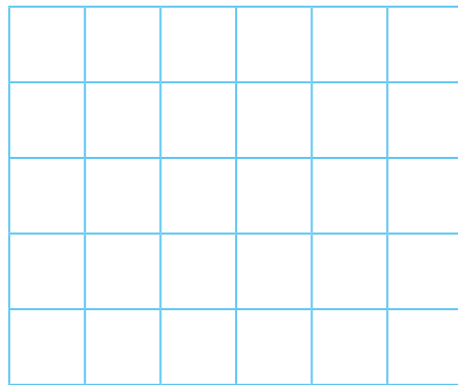
a)  $2.36 + 1.9$

b)  $14.82 + 3.7$

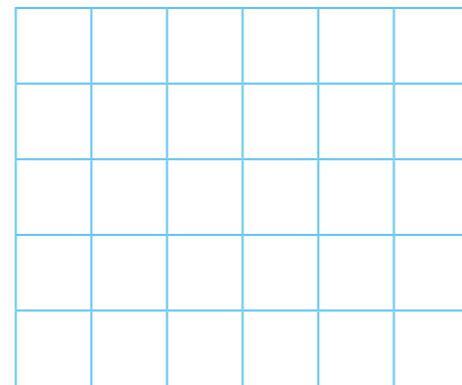


5 Use the column method to work out the additions.

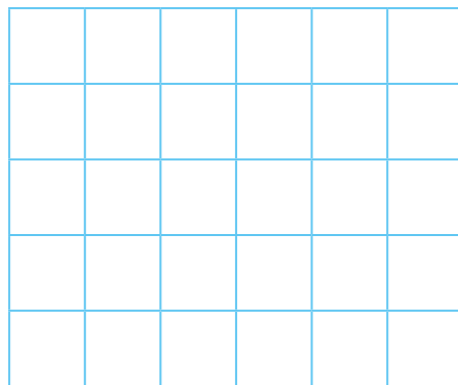
a)  $0.59 + 11.9$



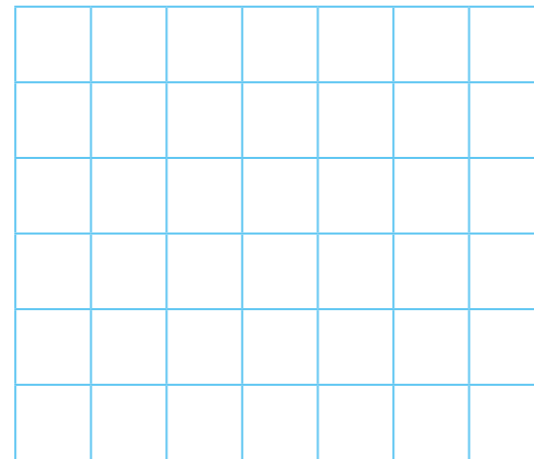
c)  $0.591 + 1.73$



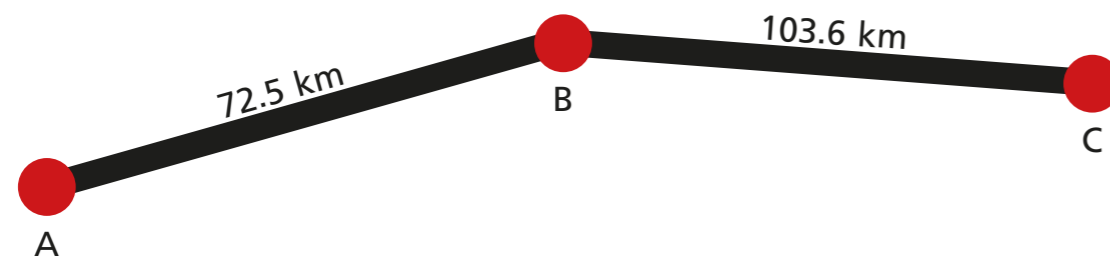
b)  $77.34 + 1.82$



d)  $3.2 + 1.84 + 0.931$



6 Mr Hall drives from point A to point B, then on to point C.



What is the total distance that Mr Hall drives?

km

7 Here are four number cards.

3.8

4.19

0.72

11.46

a) What is the greatest total you can make by adding two of the numbers?

Complete the calculation.

+  =

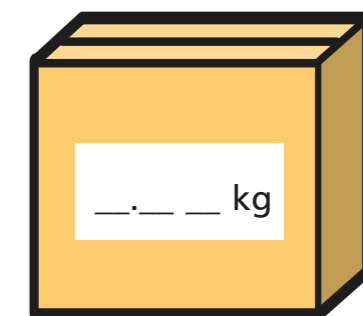
b) What is the sum of the four numbers?

8 Work out the missing digits.

a)  $\_\_4.3 + 1\_\_.37 = 39.67$

b)  $4.8\_\_ + \_\_.\_\_ = 12.65$

9 The total mass of the two boxes is 10.85 kg.  
What could the mass of each box be?



How many answers can you find?