

# Add decimals with different numbers 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	
<hr style="border: 0.5px solid black;"/>					
			•		
<hr style="border: 0.5px solid black;"/>					

c)

		2	•	4	
	+	3	•	4	5
<hr style="border: 0.5px solid black;"/>					
			•		
<hr style="border: 0.5px solid black;"/>					

b)

		1	3	•	5	
	+		0	•	2	3
<hr style="border: 0.5px solid black;"/>						
				•		
<hr style="border: 0.5px solid black;"/>						

d)

				6	•	1	5
	+	1	3	•	8		
<hr style="border: 0.5px solid black;"/>							
					•		
<hr style="border: 0.5px solid black;"/>							

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

$$\begin{array}{r}
 13.8 \\
 + 1.95 \\
 \hline
 33.3 \\
 \hline
 11
 \end{array}$$

a) What mistake has Filip made?

\_\_\_\_\_

\_\_\_\_\_

b) Use the column method to work out the correct answer.

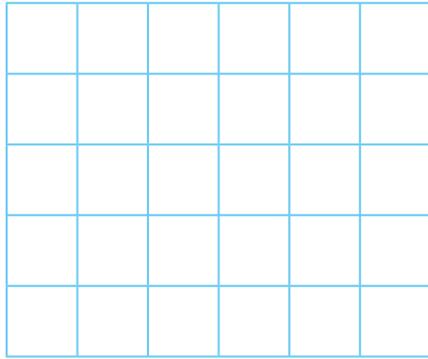

4 Use the column method to work out the additions.

a)  $2.36 + 1.9$

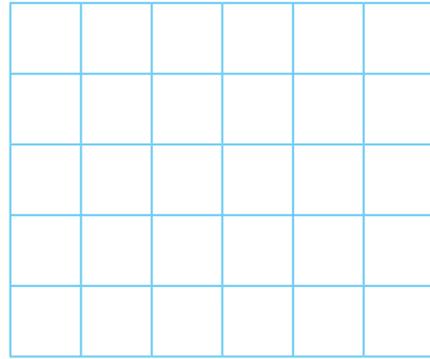

b)  $14.82 + 3.7$


5 Use the column method to work out the additions.

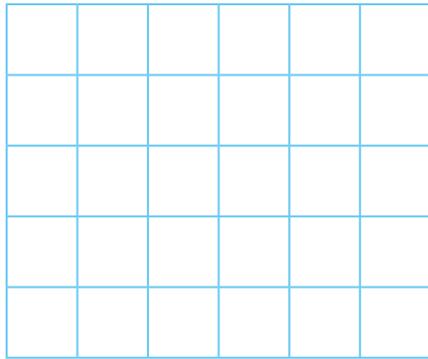
a)  $0.59 + 11.9$



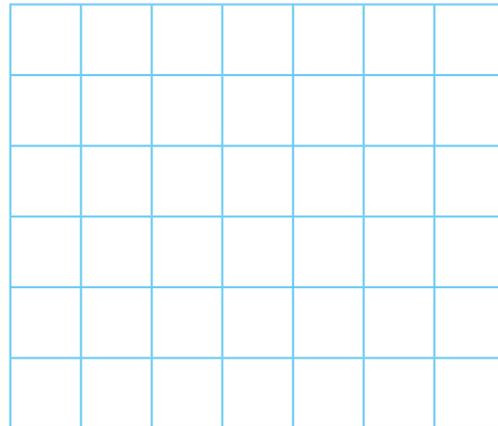
c)  $0.591 + 1.73$



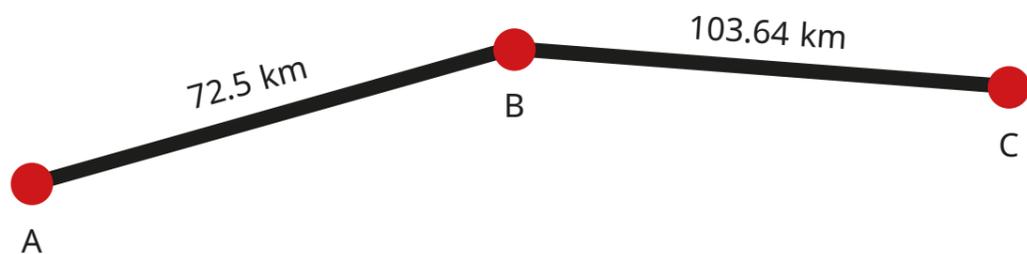
b)  $77.24 + 1.82$



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.



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

Complete the calculation.

$$\boxed{\phantom{000}} + \boxed{\phantom{000}} = \boxed{\phantom{000}}$$

b) What is the sum of the four numbers?

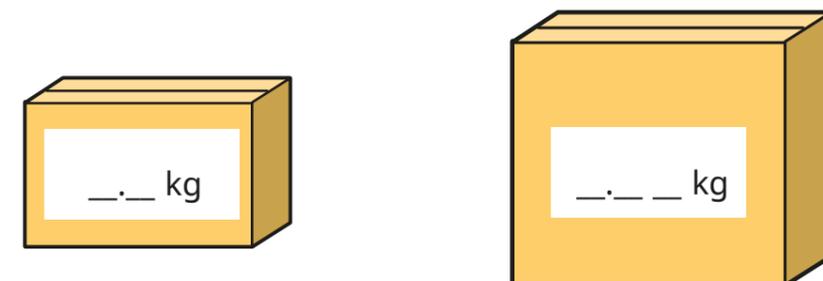
8 Work out the missing digits.

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?