

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	
<hr style="border: 1px solid black;"/>					
		•			
<hr style="border: 1px solid black;"/>					

c)

		2	•	8	
	+	3	•	4	5
<hr style="border: 1px solid black;"/>					
		•			
<hr style="border: 1px solid black;"/>					

b)

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

d)

				6	•	1	5
	+	1	3	•	9		
<hr style="border: 1px solid black;"/>							
				•			
<hr style="border: 1px solid black;"/>							

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

	1	3	•	8
+	1	•	9	5
<hr style="border: 1px solid black;"/>				
	3	•	3	3
<hr style="border: 1px solid black;"/>				
	1			1

a) What mistake has Filip made?

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

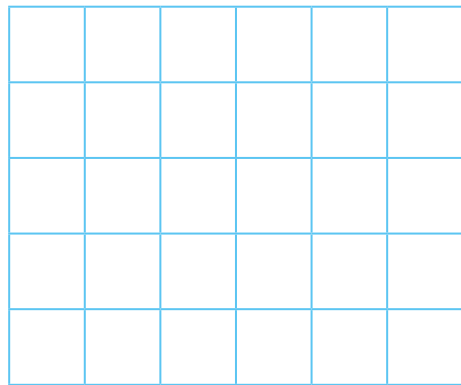
4 Use the column method to work out the additions.

a) 2.36 + 1.9

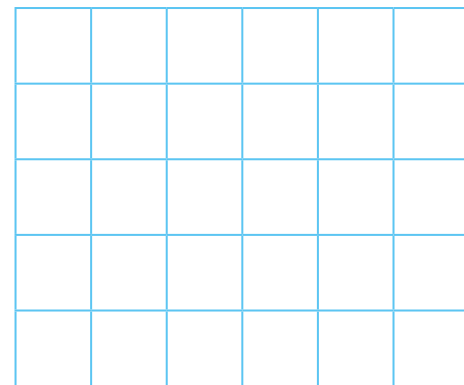
b) 14.82 + 3.7

5 Use the column method to work out the additions.

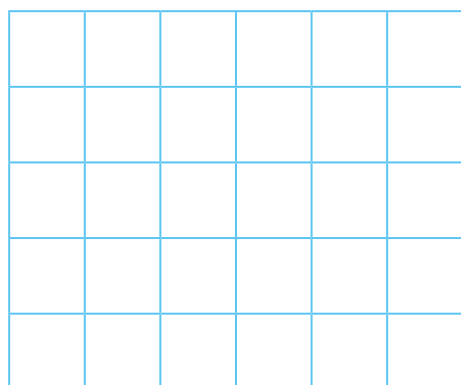
a) $0.59 + 11.9$



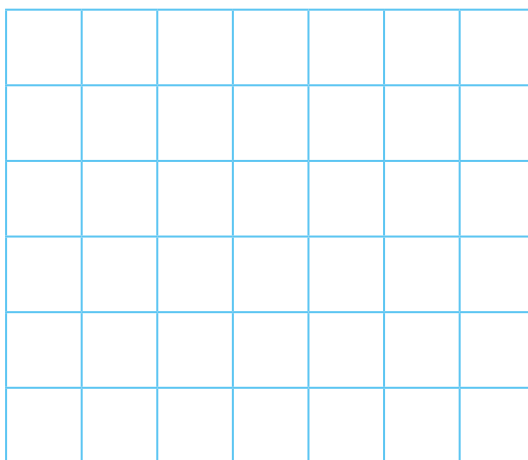
c) $0.591 + 1.73$



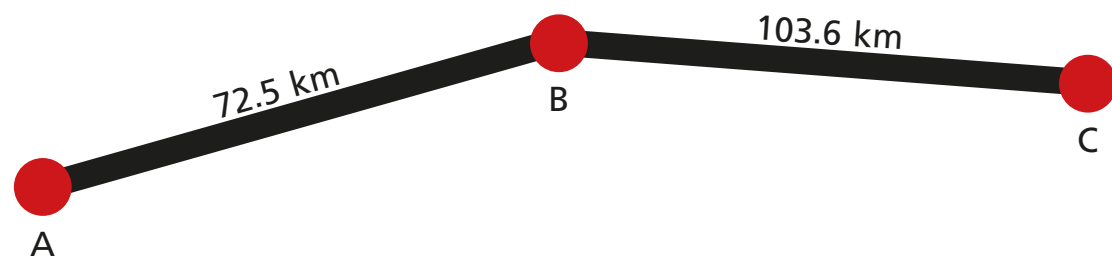
b) $77.34 + 1.82$



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.

$$\boxed{} + \boxed{} = \boxed{}$$

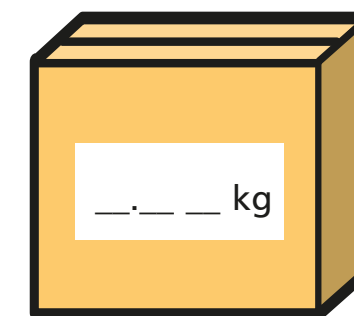
b) What is the sum of the four numbers?

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?