Adding decimals with the same number of decimal places

1 Complete the additions.

Use the place value charts to help you.

a) 4.45 + 3.21 = ☐

Ones	Tenths	Hundredths
1 1 1 1	0.1 0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01
1 1 1	0.1 0.1	0.01

+

		4	•	4	5
	+	3	•	2	1
			•		

b) 4.45 + 3.61 = ☐

Ones	Tenths	Hundredths

+

		4	•	4	5
	+	3	•	6	1
			•		

c) 4.45 + 3.78 = ☐

Ones	Tenths	Hundredths

+

		4	•	4	5
	+	3	•	7	8
			•		

Which calculation was easier? Talk about it with a partner.

2 Use the column method to work out the additions.

a)

		5	•	3	
	+	2	•	5	
			•		

b)

		6	•	0	3
	+	3	•	9	1
			•		

c)

		2	•	3	2
+	1	0	•	1	7
			•		

d)

		6	•	3	7
	+	6	•	2	6
			•		

e)

		3	•	1	0	2
	+	5	•	8	7	6
			•			

f)

	1	2	•	0	3	4
+		9	•	2	2	7
			•			

g)

		5	•	7	5
		5	•	3	2
	+	5	•	0	1
			•		

h)

		1	4	•	9	9
	+	1	2	•	3	7
				•		

3 Work out the calculations.

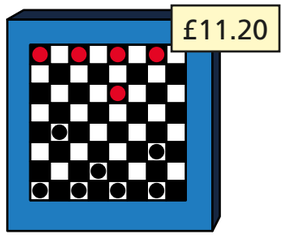
Write <, > or = to make the statements correct.

a) 0.64 + 4.79 ◯ 5.01 + 0.23

b) 7.427 + 3.238 ◯ 5.427 + 5.832

c) 3.08 + 4.63 ◯ 4.84 + 2.87

4 Teddy is working out the total cost of these items.



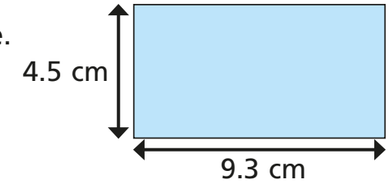
Here are his workings.

$$\begin{array}{rr} & 5 \cdot 7\ 5 \\ + & 1\ 1 \cdot 2\ 0 \\ \hline & 6\ 8 \cdot 7\ 0 \end{array}$$

Talk to a partner about Teddy's mistake.

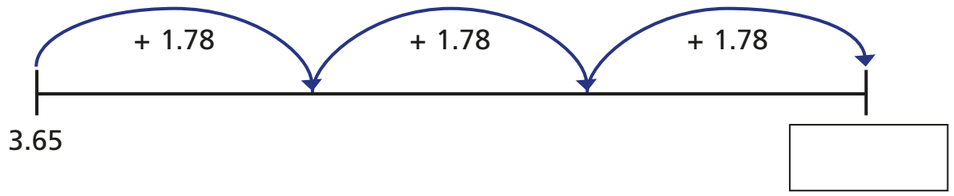
Work out the correct answer.

5 Work out the perimeter of the shape.

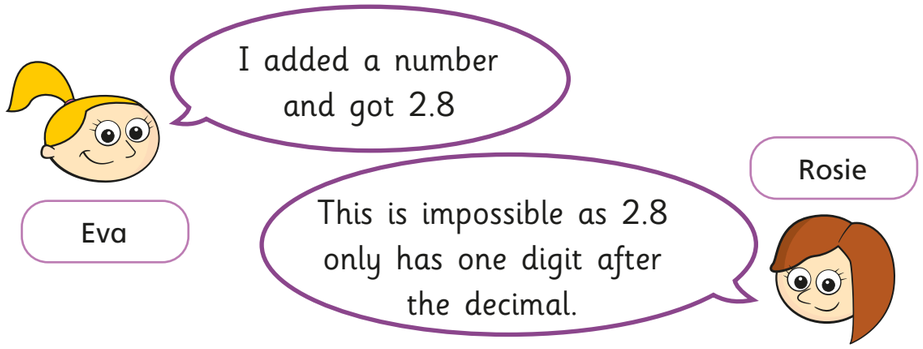


perimeter = ☐ cm

6 Complete the number line.



7 Eva starts with the number 1.62



Is Rosie correct? _____

Talk about it with a partner.