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 = 7.66

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
		7	•	6	6

b) 4.45 + 3.61 = 8.06

Ones	Tenths	Hundredths
0 0 0 0	0 0 0 0	0 0 0
0 0 0	0 0 0 0 0 0	0

		4	•	4	5
	+	3	•	6	1
		8	•	0	6
		1			

c) 4.45 + 3.78 = 8.23

Ones	Tenths	Hundredths
0 0 0 0	0 0 0 0	0 0 0
0 0 0	0 0 0 0 0 0	0 0 0 0

		4	•	4	5
	+	3	•	7	8
		8	•	2	3
		1		1	

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
		7	•	8

b)

		6	•	0 3
	+	3	•	9 1
		9	•	9 4

c)

		2	•	3	2
+	1	0	•	1	7
	1	2	•	4	9

d)

		6	•	3 7
	+	6	•	2 6
1		2	•	6 3
			1	

e)

		3	•	1	0	2
	+	5	•	8	7	6
		8	•	9	7	8

f)

	1	2	•	0	3	4
+		9	•	2	2	7
2	1	•	2	6	1	
1				1		

g)

		5	•	7	5
		5	•	3	2
	+	5	•	0	1
1		6	•	0	8
	1				

h)

		1	4	•	9 9
	+	1	2	•	3 7
	2	7	•	3	6
		1		1	

© White Rose Maths 2020

3 Work out the calculations.

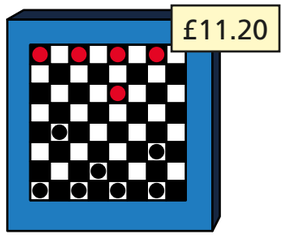
Write <, > or = to make the statements correct.

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.



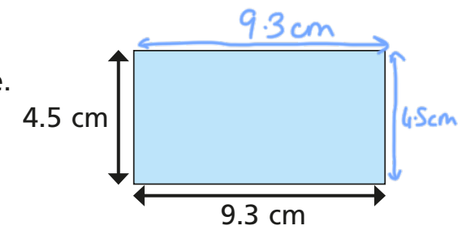
Here are his workings.

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

Talk to a partner about Teddy's mistake.

Work out the correct answer.

5 Work out the perimeter of the shape.



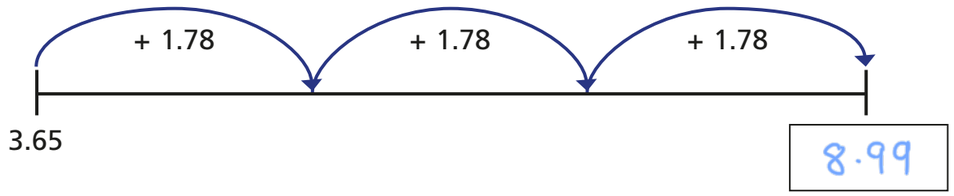
4·5 + 9·3 + 4·5 + 9·3

= 9 + 18·6

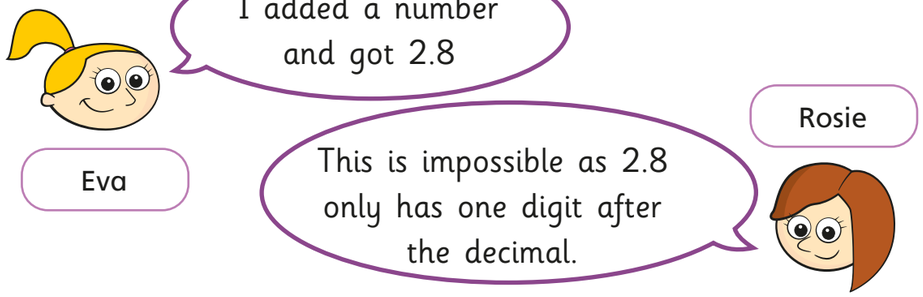
= 27·6

perimeter = 27·6 cm

6 Complete the number line.



7 Eva starts with the number 1.62



Is Rosie correct? No

Talk about it with a partner.

© White Rose Maths 2020