Adding decimals with the same number of decimal places

1 Complete the additions.

Use the place value charts to help you.

a) $4.45 + 3.21 = \boxed{7.66}$

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

		4	•	4	5
+		3	•	2	1
		7	•	6	6

b) $4.45 + 3.61 = \boxed{8.06}$

Ones	•	Tenths	Hundredths
o o o o	•	o o o o	o o o o o
o o o	•	o o o o o o	o

		4	•	4	5
+		3	•	6	1
		8	•	0	6
			1		

c) $4.45 + 3.78 = \boxed{8.23}$

Ones	•	Tenths	Hundredths
o o o o	•	o o o o	o o o o o
o o o	•	o o o o o o o	o o o o o o o o

		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	

3 Work out the calculations.
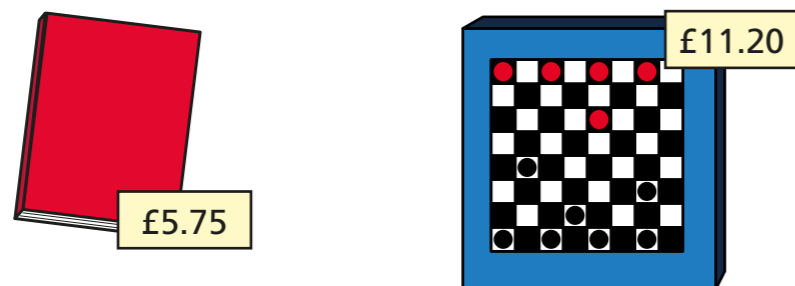
Write <, > or = to make the statements correct.

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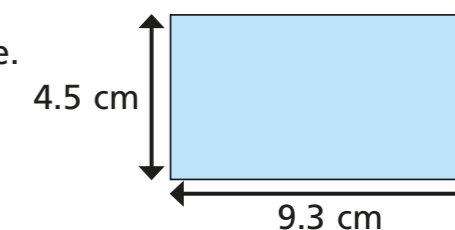
4 Teddy is working out the total cost of these items.

£11.20

£5.75

Here are his workings.

```
      5 · 7   5
+   1   1 · 2   0
  ─────────────────
    6   8 · 7   0
  ─────────────────
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Talk to a partner about Teddy's mistake.

Work out the correct answer.

5 Work out the perimeter of the shape.

4.5 cm

9.3 cm

perimeter = | 27·6 | cm

6 Complete the number line.

+ 1.78   + 1.78   + 1.78
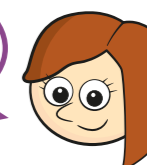
3.65 | 8·99 |
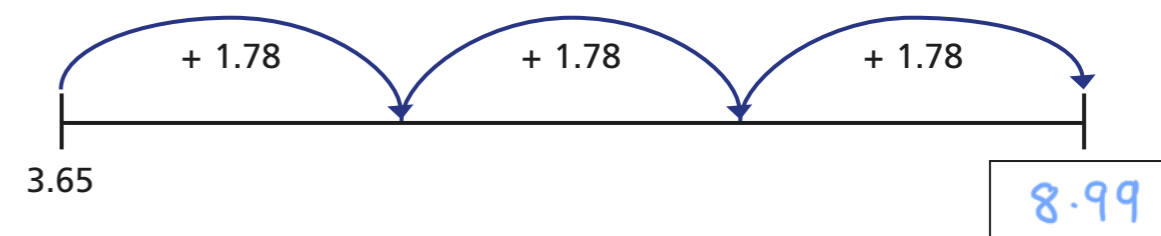
7 Eva starts with the number 1.62
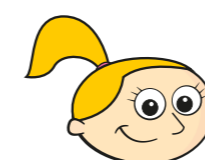
I added a number and got 2.8

Eva

Rosie

This is impossible as 2.8 only has one digit after the decimal.

Is Rosie correct? ___No___

Talk about it with a partner.