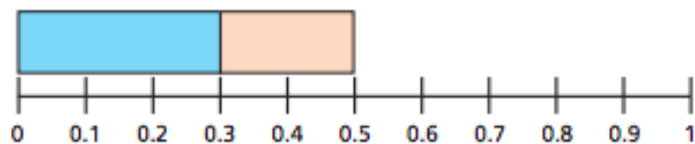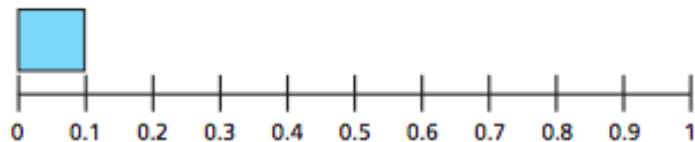# Adding decimals within 1

1 Work out the additions.

Use the number lines to help you.
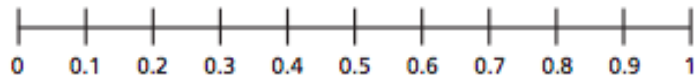
a) 0.3 + 0.2 = ☐

b) 0.1 + 0.4 = ☐

c) 0.2 + 0.1 + 0.2 = ☐

What do you notice about your answers?

2 Complete the part-whole models.

a)

0.1   0.3

b)

0.7   0.2

c)

0.4

0.5

d)

0.05   0.5   0.005
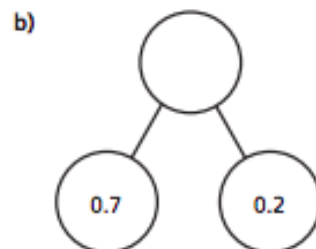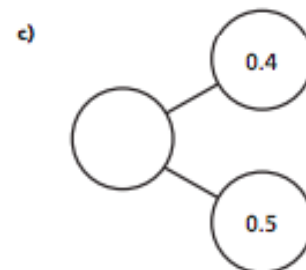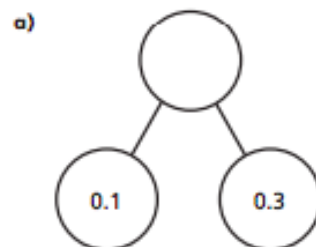
3 Complete the additions.

Use the place value charts to help you.

a) 0.42 + 0.3 = ☐

Ones	Tenths	Hundredths
	0.1 0.1 0.1 0.1	0.01 0.01
+	0.1 0.1 0.1	

b) 0.28 + 0.32 = ☐

Ones	Tenths	Hundredths
+		

c) 0.28 + 0.36 = ☐

Ones	Tenths	Hundredths
+		

---

4 Use the column method to work out the additions.

a)

	0 .	4	2
+	0 .	3	
	.		

d)

	0 .	4	2	
+	0 .	0	3	3
	.			

b)

	0 .	0	4
+	0 .	3	3
	.		

e)

	0 .	4	3	6
+	0 .	1	7	
	.			

c)

	0 .	4	0	2
+	0 .	0	3	
	.			

f)

	0 .	7	5	1
+	0 .	0	9	
	.			

---

5 Jack has set up a column addition to work out 0.19 + 0.07

What mistake has Jack made?

```
    0 . 1   9
+   0 . 7
    _____
        .
    _____
```

---

6 Work out 7 hundredths + 34 hundredths.

Give your answer as a decimal.

7 hundredths + 34 hundredths = ☐

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7 Eva drinks a quarter of a litre of water.

Mo drinks 0.3 litres of water.

Whitney drinks a tenth of a litre more water than Mo.

How much water do Eva, Mo and Whitney drink altogether?

☐