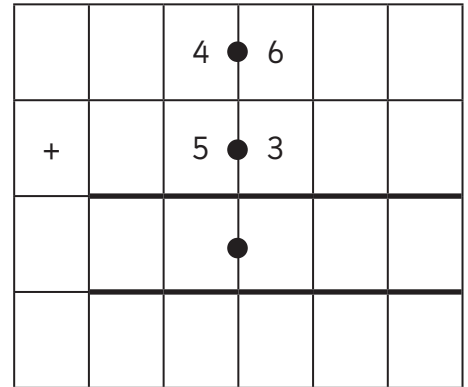# Adding Decimals
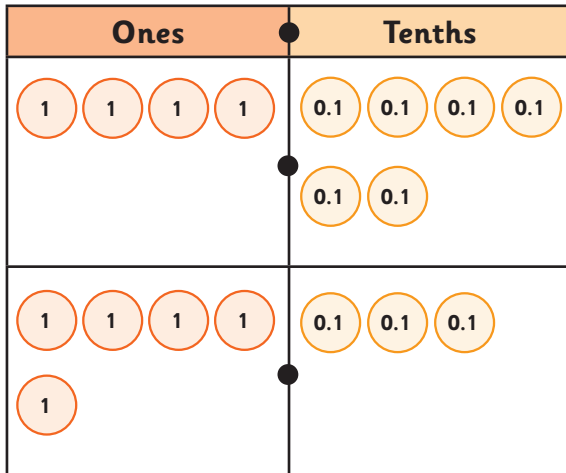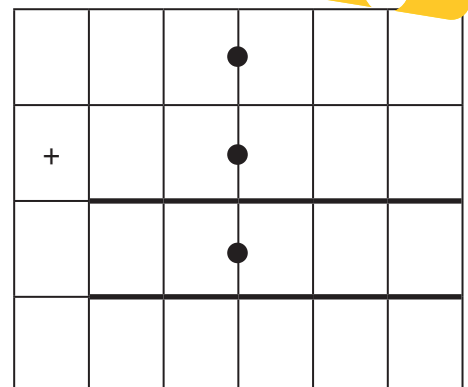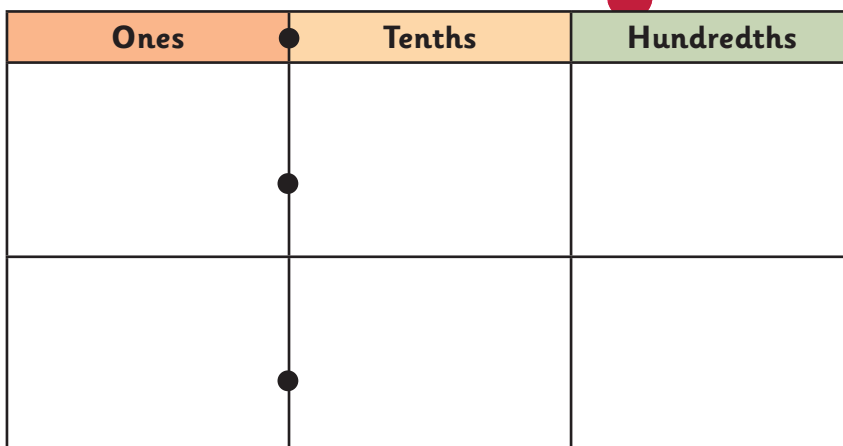
1. Use place value charts and the column method of addition to solve the calculations below.

a) 4.6 + 5.3 =

Ones	Tenths
① ① ① ①	⓪.1 ⓪.1 ⓪.1 ⓪.1
	⓪.1 ⓪.1
① ① ① ①	⓪.1 ⓪.1 ⓪.1
①	

		4 • 6	
+		5 • 3	
		•	

b) 5.43 + 3.25 =

Ones	Tenths	Hundredths

		•	
+		•	
		•	

c) 2.52 + 7.34 =

Ones	Tenths	Hundredths

		•	
+		•	
		•	

Adding Decimals

d) 3.453 + 4.215 =

Ones	Tenths	Hundredths	Thousandths

2. Use the column method of addition to solve these calculations.
    Each calculation involves an exchange.

a) 5.34 + 2.28 =
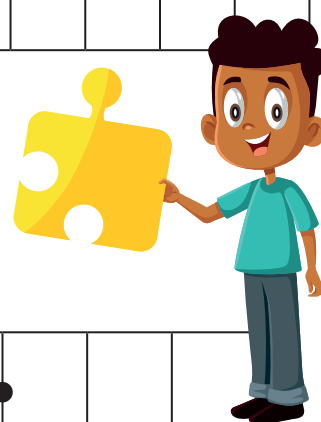
b) 2.56 + 5.37 =

c) 4.261 + 3.352 =

d) 6.206 + 3.942 =

Adding Decimals

3. Complete the calculations below.

a)

		4 • 2	5
+		3 • 7	1
		•	

b)

		4 • 1	4
+		3 • 3	5
		•	

c)

		4 • 5	3
+		3 • 4	4
		•	

d)

		4 • 3	2
+		2 • 9	3
		•	

Which of these four calculations is the odd one out? ....

Explain your reasoning. ....

....

....

4. Carrie buys two of the jigsaws below. She pays with a £10.00 note and receives £2.12 in change.

A	**B**	**C**
£3.55	£4.64	£3.24

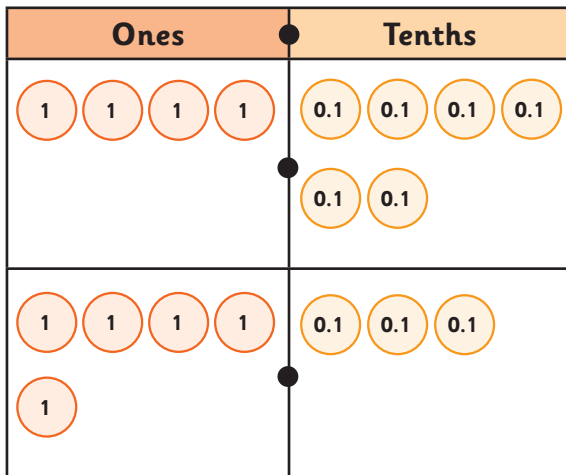Which two jigsaws did she buy? ....

Adding Decimals

1. Use place value charts and the column method of addition to solve the calculations below.
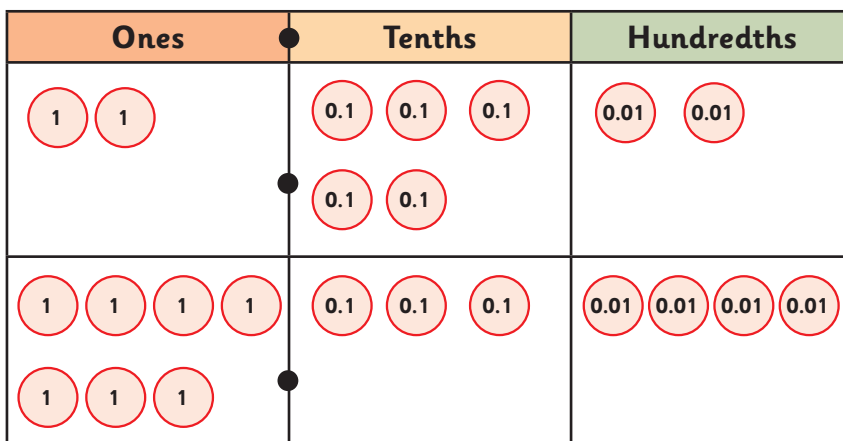
a) 4.6 + 5.3 = **9.9**

Ones	Tenths
① ① ① ①	0.1 0.1 0.1 0.1
	0.1 0.1
① ① ① ①	0.1 0.1 0.1
①	

		4 • 6	
+		5 • 3	
		9 • 9	

b) 5.43 + 3.25 = **8.68**

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

		5 • 4 3
+		3 • 2 5
		8 • 6 8

c) 2.52 + 7.34 = **9.86**

Ones	Tenths	Hundredths
① ①	0.1 0.1 0.1	0.01 0.01
	0.1 0.1	
① ① ① ①	0.1 0.1 0.1	0.01 0.01 0.01 0.01
① ① ①		
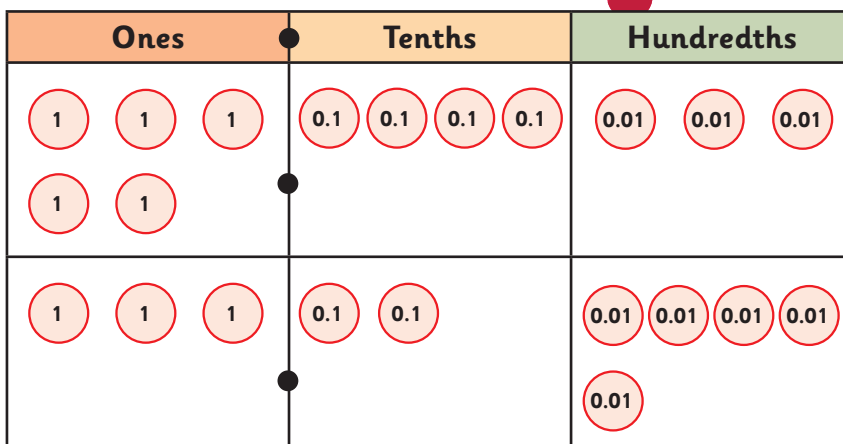
		2 • 5 2
+		7 • 3 4
		9 • 8 6

Adding Decimals

d) 3.453 + 4.215 = **7.668**

Ones	Tenths	Hundredths	Thousandths
① ① ①	0.1 0.1 / 0.1 0.1	0.01 0.01 0.01 / 0.01 0.01	0.001 0.001 0.001
① ① / ① ①	0.1 0.1	0.01	0.001 0.001 0.001 / 0.001 0.001

	3 • 4 5 3
+	4 • 2 1 5
	7 • 6 6 8

2. Use the column method of addition to solve these calculations.
    Each calculation involves an exchange.

a) 5.34 + 2.28 = **7.62**

	5 • 3 4
+	2 • 2 8
	7 • 6 2
	1

b) 2.56 + 5.37 = **7.93**

	2 • 5 6
+	5 • 3 7
	7 • 9 3
	1

c) 4.261 + 3.352 = **7.613**

	4 • 2 6 1
+	3 • 3 5 2
	7 • 6 1 3
	1

d) 6.206 + 3.942 = **10.148**

	6 • 2 0 6
+	3 • 9 4 2
1	0 • 1 4 8
	1
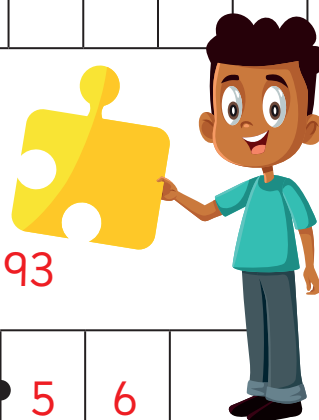
Adding Decimals

3. Complete the calculations below.

a)

	4 . 2	5
+	3 . 7	1
	7 . 9	**6**

b)

	4 . 1	4
+	3 . 3	5
	7 . 4	**9**

c)

	4 . 5	3
+	3 . 4	4
	7 . 9	**7**

d)

	4 . 3	2
+	2 . 9	3
	7 . 2	**5**
	1	

Which of these four calculations is the odd one out?   **Calculation d**

Explain your reasoning.   **Calculation d is the only one that involves an exchange.**

4. Carrie buys two of the jigsaws below. She pays with a £10.00 note and receives £2.12 in change.

A	**B**	**C**
£3.55	£4.64	£3.24

Which two jigsaws did she buy?   **B and C**

£10.00 – £2.12 = £7.88

£4.64 + £3.24 = £7.88

So she bought jigsaws B and C.