# Adding decimals – crossing the whole
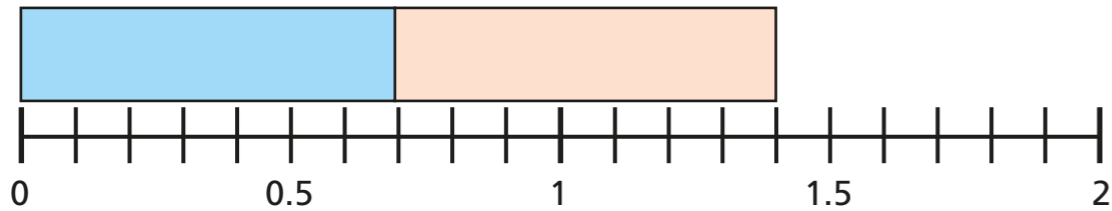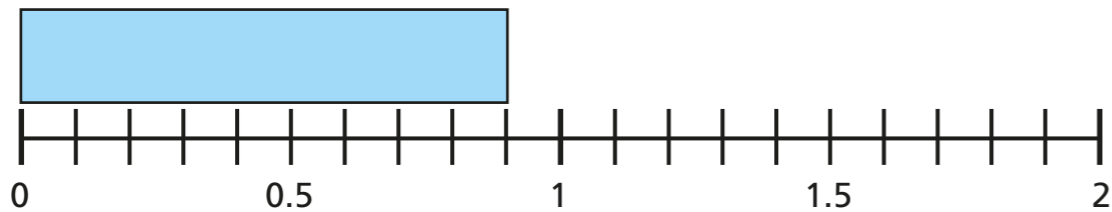
**1** Work out the totals of these decimals.

Use the number lines to help you.
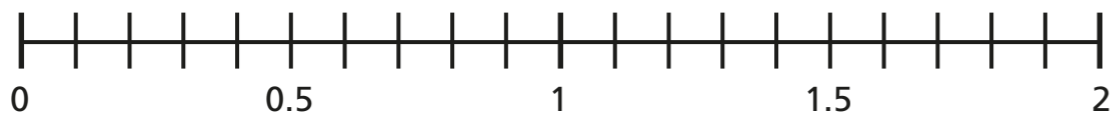
**a)** 0.7 + 0.7 = ☐

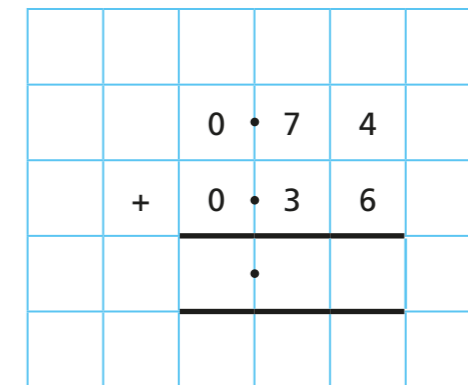**b)** 0.9 + 0.45 = ☐

**c)** 0.6 + 0.8 + 0.15 = ☐

**2** Complete the additions.

**a)** 0.74 + 0.36 = ☐

| Ones | • | Tenths | Hundredths |
|---|---|---|---|
| | | 0.1 0.1 0.1 0.1 0.1 0.1 0.1 | 0.01 0.01 0.01 0.01 |
| **+** | | 0.1 0.1 0.1 | 0.01 0.01 0.01 0.01 0.01 0.01 |

$$\begin{array}{ccc} 0 & • & 7 & 4 \\ + \ 0 & • & 3 & 6 \\ \hline & • & & \\ \hline \end{array}$$

**b)** 0.86 + 0.68 = ☐

| Ones | • | Tenths | Hundredths |
|---|---|---|---|
| | | 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 | 0.01 0.01 0.01 0.01 0.01 0.01 |
| **+** | | 0.1 0.1 0.1 0.1 0.1 0.1 | 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 |

$$\begin{array}{ccc} 0 & • & 8 & 6 \\ + \ 0 & • & 6 & 8 \\ \hline & • & & \\ \hline \end{array}$$
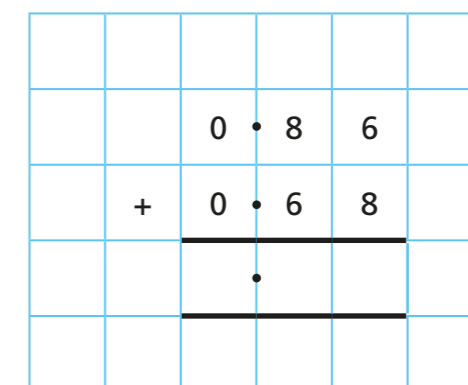
**3** Use the column method to work out the additions.

**a)**

|   |   | 0 | • | 4 | 2 |   |
|---|---|---|---|---|---|---|
|   | + | 0 | • | 6 | 9 |   |
|   |   |   | • |   |   |   |

**e)**

|   |   | 0 | • | 2 | 2 | 2 |
|---|---|---|---|---|---|---|
|   | + | 0 | • | 8 | 7 | 6 |
|   |   |   | • |   |   |   |

**b)**

|   |   | 0 | • | 4 | 1 |
|---|---|---|---|---|---|
|   | + | 0 | • | 7 |   |
|   |   |   | • |   |   |

**f)**

|   |   | 0 | • | 5 |   |
|---|---|---|---|---|---|
|   | + | 0 | • | 7 | 7 |
|   |   |   | • |   |   |

**c)**

|   |   | 0 | • | 9 | 6 |
|---|---|---|---|---|---|
|   | + | 0 | • | 9 | 7 |
|   |   |   | • |   |   |

**g)**

|   |   | 0 | • | 7 | 5 | 1 |
|---|---|---|---|---|---|---|
|   | + | 0 | • | 3 | 2 |   |
|   |   |   | • |   |   |   |

**d)**

|   |   | 0 | • | 3 |   |   |
|---|---|---|---|---|---|---|
|   | + | 0 | • | 8 | 0 | 4 |
|   |   |   | • |   |   |   |

**h)**

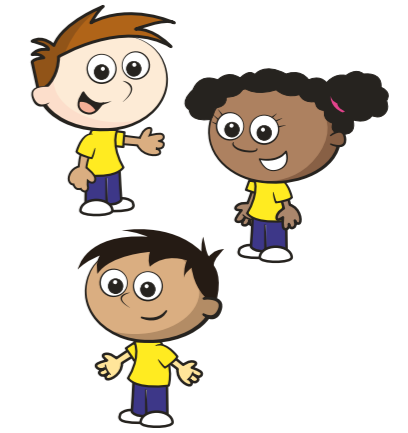|   |   | 0 | • | 6 | 0 | 4 |
|---|---|---|---|---|---|---|
|   | + | 0 | • | 5 | 1 | 9 |
|   |   |   | • |   |   |   |

**4** Teddy runs 0.32 km.

Amir runs half a kilometre.

Whitney runs 0.47 km.

**a)** How far do they run altogether?

[ ] km

**b)** Jack runs 7 tenths of a kilometre further than Whitney.
How far does Jack run?

[ ] km

**5** Ron buys all these items plus a drink costing ninety-five pence.

How much does Ron spend in total?

£0.79

£0.65

Crisps

£0.54

Ron spends £ [ ] in total.