White Rose Maths

1 Ron is adding 1.4 and 2.53

He makes each number with counters.

Ones	Tenths	Hundredths
●	● ● ● ●	
● ●	● ● ● ● ●	● ● ●

a) What is the answer to Ron's calculation? **3.93**

b) Explain your method to a partner.

c) Did you have to make an exchange? **No**

2 Work out the additions.

a)
```
    3 · 0  2
  + 1 · 6
  ---------
    4 · 6  2
```

b)
```
    1  3 · 5
  +    0 · 2  3
  -----------
    1  3 · 7  3
```

c)
```
    2 · 8
  + 3 · 4  5
  ---------
    6 · 2  5
      1
```

d)
```
       6 · 1  5
  + 1  3 · 9
  -----------
    2  0 · 0  5
       1  1
```

3 Filip is adding two numbers together.

He writes it as a column addition.

```
    1  3 · 8
  +    1 · 9  5
  -----------
    3 · 3  3
    1     1
```

a) What mistake has Filip made?

He hasn't correctly lined up his numbers in the columns.

b) Use the column method to work out the correct answer.

```
    1  3 · 8
  +    1 · 9  5
  -----------
  1  5 · 7  5
       1
```

4 Use the column method to work out the additions.

a) 2.36 + 1.9

```
    2 · 3  6
  + 1 · 9
  ---------
    4 · 2  6
      1
```

b) 14.82 + 3.7

```
  1  4 · 8  2
     3 · 7
  -----------
  1  8 · 5  2
        1
```

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5 Use the column method to work out the additions.

a) 0.59 + 11.9

```
    0 . 5 9
+ 1 1 . 9
  1 2 . 4 9
      1
```

c) 0.591 + 1.73

```
  0 . 5 9 1
+ 1 . 7 3
  2 . 3 2 1
    ,   ,
```

b) 77.34 + 1.82

```
  7 7 . 3 4
+     1 . 8 2
  7 9 . 1 6
        1
```
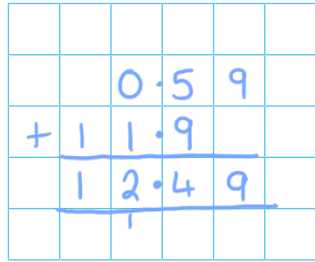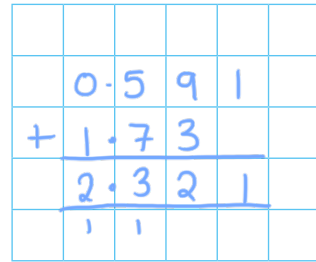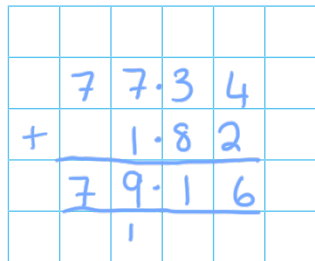
d) 3.2 + 1.84 + 0.931

```
    3 . 2
    1 . 8 4
+ 0 . 9 3 1
  5 . 9 7 1
        1
```
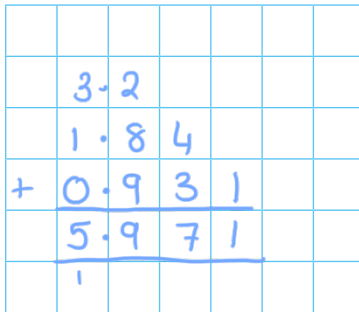
6 Mr Hall drives from point A to point B, then on to point C.

72.5 km   103.6 km
B   C
A
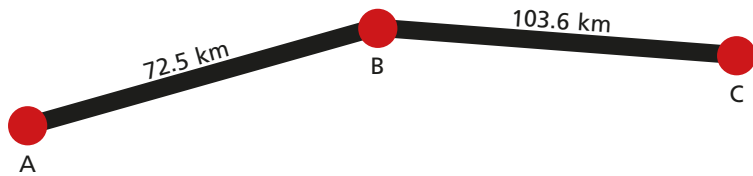
What is the total distance that Mr Hall drives?

176.1 km

7 Here are four number cards.

| 3.8 | 4.19 | 0.72 | 11.46 |

a) What is the greatest total you can make by adding two of the numbers?

Complete the calculation.

11.46 + **4.19** = **15.65**
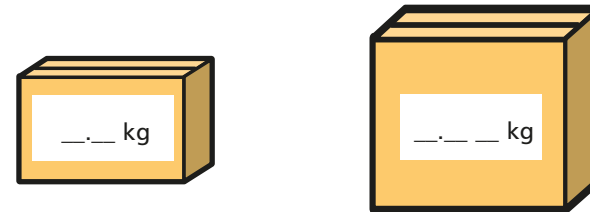
b) What is the sum of the four numbers?

20.17

8 Work out the missing digits.

a) **2**4.3 + 1**5**.37 = 39.67

b) 4.8**5** + **7.8** = 12.65

9 The total mass of the two boxes is 10.85 kg.

What could the mass of each box be? *Various answers.*

__.__ kg   __.__ __ kg

How many answers can you find?