Multiplication of two decimals

Maths

Miss Davies

Multiplication of two decimals

1. Calculate

a) 25.2 × 4

b) 4.31 × 5

c) 3.2 × 59

d) 6.8 × 0.7
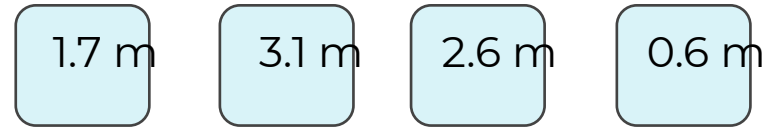
e) 2.4 × 5.3

f) 7.2 × 0.31

g) 1.43 × 4.7

2. Steve needs four different lengths of pipe.

| 1.7 m | 3.1 m | 2.6 m | 0.6 m |

The pipe costs £1.24 per metre.

Work out the total cost of the pipes. Round your answer to the nearest penny.

Multiplication of two decimals

3. Mo is working out 3.7 × 4.2

Here is his working.

$$37 \times 42 = 1554$$

$$\text{therefore } 3.7 \times 4.2 = 1.554$$

What mistake has Mo made?

Answers

Multiplication of two decimals

1. Calculate

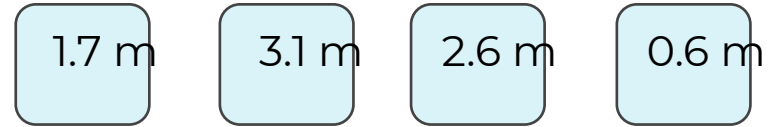a) 25.2 × 4   100.8

b) 4.31 × 5   21.55

c) 3.2 × 59   188.8

d) 6.8 × 0.7   4.76

e) 2.4 × 5.3   12.72

f) 7.2 × 0.31 2.232

g) 1.43 × 4.7 6.721

2. Steve needs four different lengths of pipe.

1.7 m   3.1 m   2.6 m   0.6 m

The pipe costs £1.24 per metre.

Work out the total cost of the pipes. Round your answer to the nearest penny.

£9.92

Multiplication of two decimals

3. Mo is working out 3.7 × 4.2

Here is his working.

$$37 \times 42 = 1554$$

$$\text{therefore } 3.7 \times 4.2 = 1.554$$

What mistake has Mo made?

The decimal point is in the wrong place.
The answer should be 15.54