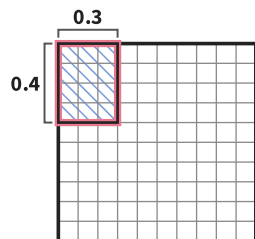


Multiplying Decimals

ANSWERS

1

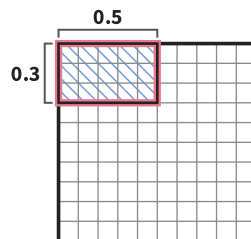
Work out 0.3×0.4 .



$$\begin{array}{r} 0.3 \times 0.4 \\ \downarrow \times 10 \quad \downarrow \times 10 \\ 3 \times 4 = 12 \\ 12 \div 100 = 0.12 \end{array}$$

2

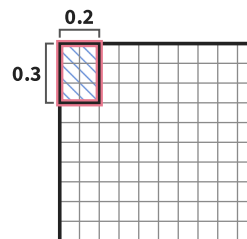
Work out 0.5×0.3 .



$$\begin{array}{r} 0.5 \times 0.3 \\ \downarrow \times 10 \quad \downarrow \times 10 \\ 5 \times 3 = 15 \\ 15 \div 100 = 0.15 \end{array}$$

3

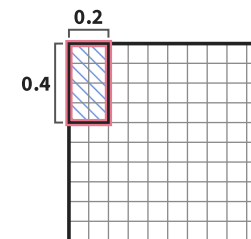
Work out 0.2×0.3 .



$$\begin{array}{r} 0.2 \times 0.3 \\ \downarrow \times 10 \quad \downarrow \times 10 \\ 2 \times 3 = 6 \\ 6 \div 100 = 0.06 \end{array}$$

4

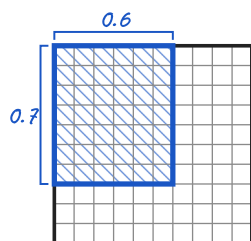
Work out 0.2×0.4 .



$$\begin{array}{r} 0.2 \times 0.4 \\ \downarrow \times 10 \quad \downarrow \times 10 \\ 2 \times 4 = 8 \\ 8 \div 100 = 0.08 \end{array}$$

5

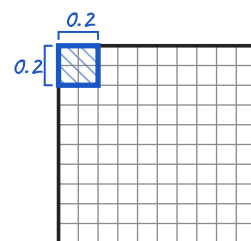
Work out 0.6×0.7 .



$$\begin{array}{r} 0.6 \times 0.7 \\ \downarrow \times 10 \quad \downarrow \times 10 \\ 6 \times 7 = 42 \\ 42 \div 100 = 0.42 \end{array}$$

6

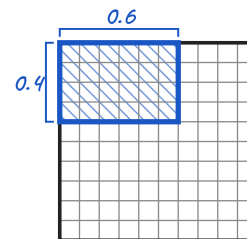
Work out 0.2×0.2 .



$$\begin{array}{r} 0.2 \times 0.2 \\ \downarrow \times 10 \quad \downarrow \times 10 \\ 2 \times 2 = 4 \\ 4 \div 100 = 0.04 \end{array}$$

7

A tile is 0.6 m long and 0.4 m wide.
Work out its area in m^2 .

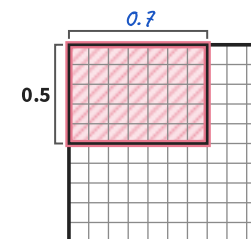


$$\begin{array}{r} 0.6 \times 0.4 \\ \downarrow \times 10 \quad \downarrow \times 10 \\ 6 \times 4 = 24 \\ 24 \div 100 = 0.24 \end{array}$$

8

Find the missing number.

$$\square \times 0.5 = 0.35$$



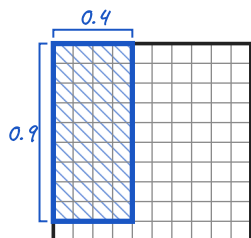
$$\begin{array}{r} 0.7 \times 0.5 \\ \downarrow \times 10 \quad \downarrow \times 10 \\ 7 \times 5 = 35 \\ 35 \div 100 = 0.35 \end{array}$$

Multiplying Decimals *further practice*

ANSWERS

9

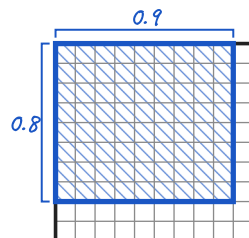
Work out 0.4×0.9 .



$$\begin{array}{r} 0.4 \times 0.9 \\ \downarrow \times 10 \quad \downarrow \times 10 \\ 4 \times 9 = 36 \\ 36 \div 100 = 0.36 \end{array}$$

10

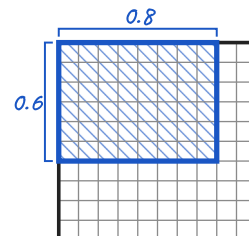
Work out 0.9×0.8 .



$$\begin{array}{r} 0.9 \times 0.8 \\ \downarrow \times 10 \quad \downarrow \times 10 \\ 9 \times 8 = 72 \\ 72 \div 100 = 0.72 \end{array}$$

11

A photo is 0.8 m long and 0.6 m wide. Work out its area in m^2 .

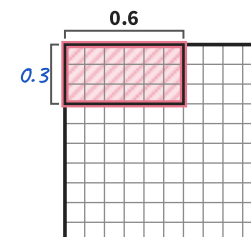


$$\begin{array}{r} 0.8 \times 0.6 \\ \downarrow \times 10 \quad \downarrow \times 10 \\ 8 \times 6 = 48 \\ 48 \div 100 = 0.48 \end{array}$$

12

Find the missing number.

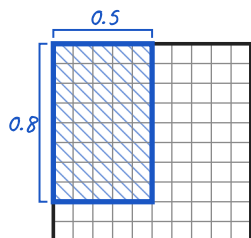
$$0.6 \times \square = 0.18$$



$$\begin{array}{r} 0.6 \times 0.3 \\ \downarrow \times 10 \quad \downarrow \times 10 \\ 6 \times 3 = 18 \\ 18 \div 100 = 0.18 \end{array}$$

13

Work out 0.5×0.8 .



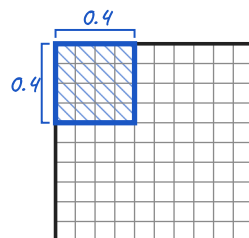
$$5 \times 8 = 40$$

$$40 \div 100 = 0.40 = 0.4$$

Answer 0.4

14

Work out 0.4^2 .



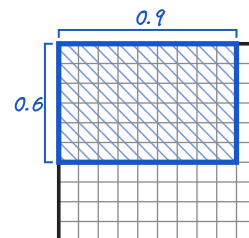
$$0.4 \times 0.4$$

$$4 \times 4 = 16, 16 \div 100 = 0.16$$

Answer 0.16

15

Rope costs £0.90 a metre. How much does 0.6 m of rope cost?



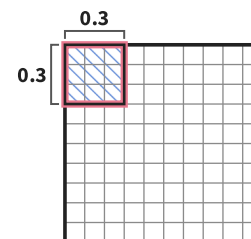
$$0.9 \times 0.6$$

$$9 \times 6 = 54, 54 \div 100 = 0.54$$

Answer £0.54

16

Sam works out 0.3×0.3 . He writes 0.9. What has he done wrong?



Sam should divide by 100, not 10

Right answer $9 \div 100 = 0.09$