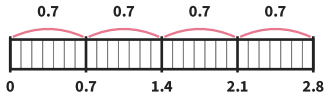


Dividing Decimals

ANSWERS

1

Work out $2.8 \div 0.7$



2.8 is 28 tenths. 0.7 is 7 tenths.

$$\begin{array}{r} 2.8 \\ \times 10 \\ \hline 28 \end{array} \div \begin{array}{r} 0.7 \\ \times 10 \\ \hline 7 \end{array}$$

$$28 \div 7 = 4$$

Answer 4

2

Work out $4.8 \div 0.6$

$$\begin{array}{r} 4.8 \\ \times 10 \\ \hline 48 \end{array} \div \begin{array}{r} 0.6 \\ \times 10 \\ \hline 6 \end{array}$$

$$48 \div 6 = 8$$

Answer 8

3

Work out $0.45 \div 0.5$

$$\begin{array}{r} 0.45 \\ \times 10 \\ \hline 4.5 \end{array} \div \begin{array}{r} 0.5 \\ \times 10 \\ \hline 5 \end{array}$$

$$4.5 \div 5 = 0.9$$

Answer 0.9

4

Work out $5.4 \div 0.9$

$$54 \div 9 = 6$$

Answer 6

5

Work out $1.2 \div 0.03$

$$\begin{array}{r} 1.2 \\ \times 10 \\ \hline 12 \end{array} \div \begin{array}{r} 0.03 \\ \times 10 \\ \hline 0.3 \end{array}$$

$$\begin{array}{r} 120 \\ \times 10 \\ \hline 1200 \end{array} \div \begin{array}{r} 3 \end{array}$$

$$120 \div 3 = 40$$

Answer 40

6

Work out $0.72 \div 0.08$

$$\begin{array}{r} 0.72 \\ \times 10 \\ \hline 7.2 \end{array} \div \begin{array}{r} 0.08 \\ \times 10 \\ \hline 0.8 \end{array}$$

$$\begin{array}{r} 72 \\ \times 10 \\ \hline 720 \end{array} \div \begin{array}{r} 8 \end{array}$$

$$72 \div 8 = 9$$

Answer 9

7

A 3.6 m plank is cut into pieces that are 0.4 m long. How many pieces are there?

$$3.6 \div 0.4 = 36 \div 4$$

Answer 9

8

Given that $96 \div 8 = 12$, write down the value of $9.6 \div 0.8$

both are ten times smaller

Answer 12

Dividing Decimals further practice

ANSWERS

9

Work out

$$0.96 \div 0.08$$

$$96 \div 8$$

Answer 12

10

Work out

$$9 \div 0.6$$

$$90 \div 6$$

Answer 15

11

Which two of these calculations give the same answer as $3.6 \div 0.09$?

$$\begin{array}{ll} 36 \div 9 & 360 \div 9 \\ 36 \div 0.9 & 3.6 \div 9 \end{array}$$

$$3.6 \div 0.09 = 360 \div 9 = 40$$

Answer $360 \div 9$ and $36 \div 0.9$

12

A bag holds 1.92 kg of rice. One portion of rice is 0.08 kg. How many portions are in the bag?

$$1.92 \div 0.08 = 192 \div 8$$

Answer 24 portions

13

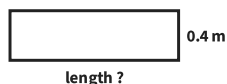
Find the missing number.

$$\boxed{6} \times 0.7 = 4.2$$

$$4.2 \div 0.7 = 42 \div 7$$

14

This rectangle has an area of 1.8 m^2 . It is 0.4 m wide. How long is it?



$$1.8 \div 0.4 = 18 \div 4$$

Answer 4.5 m

15

Amir has £5. He buys a drink for £1.40. He spends all the money he has left on stickers that cost £0.12 each. How many stickers does he buy?

$$£5 - £1.40 = £3.60, 360 \div 12$$

Answer 30 stickers

16

Ella says $5.6 \div 0.7 = 0.8$ because $56 \div 7 = 8$ and the answer needs a decimal point. Is Ella right? Explain.

both $\times 10$ gives $56 \div 7 = 8$

Answer No, $5.6 \div 0.7 = 8$