

How to ...

Given that $1793 \times 185 = 331,705$ write down the value of:

i. 1.793×185

number of decimal places in the question = 3

$$\begin{array}{r} 1.793 \times 185 \\ \underline{123} \end{array}$$

$$331.705$$

ii. $331,705 \div 1.85$

we are given $1793 \times 185 = 331705$

so we know $331705 \div 185 = 1793$

but we want $331705 \div 1.85$

↑
this is 100 times smaller than 185

so our answer must be 100 times bigger than what we were given

$$= 179300$$

IN AN EXAM I WOULD CHECK MY ANSWER TOO 😊

Now have a go yourself ...

SORTED IT

- a) 0.3×0.4 b) 0.006×0.2 c) 0.8×0.05
 d) 0.09×0.07 e) 6.34×0.4 f) 4.21×0.3
 g) 0.723×0.06 h) 0.064×0.73 i) 0.36×1.4

NAILED IT

- a) $1.2 \div 0.2$ b) $4.2 \div 0.3$ c) $19.2 \div 0.03$
 d) $25 \div 0.4$ e) $5 \div 2$ f) $6.12 \div 0.003$
 g) $34.65 \div 0.15$ h) $160.5 \div 0.25$ i) $9.706 \div 0.23$

Mastered it

- 1) Given that $6.4 \times 2.8 = 17.92$ work out
 a) 64×28 b) 640×2.8 c) 0.64×28
 2) Given that $18.3 \div 1.25 = 14.64$ work out
 a) $183 \div 1.25$ b) $1.83 \div 1.25$ c) $0.183 \div 1.25$
 3) Given that $23 \times 56 = 1288$ work out
 a) 0.23×560 b) $1288 \div 5.6$ c) $12.88 \div 0.23$
 4) Given that $884 \div 34 = 26$ work out
 a) $8.84 \div 340$ b) $884 \div 2.6$ c) $8.84 \div 260$
 d) $884 \div (3.4 \times 2.6)$
 5) Give that $1872 \div 1.2^2 = 1300$ work out
 a) $1872 \div 12^2$ b) $18.72 \div 1.2^2$ c) $187.2 \div 0.12^2$

Exam Questions

Use the information that

$$\frac{63 \times 99}{18^2} = \frac{77}{4}$$

Write down the value as fractions, or integers, of

(a) $\frac{6.3 \times 9.9}{18^2}$

(b) $\frac{6.3 \times 990}{18^2}$

(c) $\frac{63 \times 99}{0.18^2}$

(6)

Ready to be marked ?

Checklist



- Answers checked
- Working out shown

Keywords



Things to remember ...



What went well ...



Teacher comment ..