

Examples



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Workout

Question 1: Given that $18 \times 25 = 450$
Write down the value of:

- (a) $450 \div 18$ (b) $450 \div 25$ (c) 180×25 (d) 180×250
(e) 18×2500 (f) 1.8×25 (g) 18×2.5 (h) 1.8×2.5

Question 2: Given that $72 \times 23 = 1656$
Write down the value of:

- (a) $1656 \div 23$ (b) $1656 \div 72$ (c) 230×72 (d) 7200×23
(e) 720×230 (f) 72×2.3 (g) 7.2×2.3 (h) 7.2×230
(i) 7200×2.3 (j) 0.72×2300 (k) 7.2×0.23 (l) 0.72×0.23

Question 3: Given that $30 \times 22 = 660$
Write down the value of:

- (a) 30×44 (b) 60×22 (c) 60×44 (d) 15×22
(e) 30×11 (f) 15×11 (g) 90×22 (h) 30×88
(i) 150×22 (j) 15×44 (k) 60×11 (l) 15×66

Question 4: Given that $29 \times 46 = 1334$
Write down the value of:

- (a) 30×46 (b) 28×46 (c) 29×47 (d) 29×45

Question 5: Given that $75 \times 31 = 2325$
Write down the value of:

- (a) 76×31 (b) 75×30 (c) 75×33 (d) 70×31

Place Value: Operations

Video 222a on Corbettmaths

Question 6 : Given that $17 \times 456 = 7752$
Write down the value of:

- (a) $7752 \div 17$ (b) $77520 \div 456$ (c) $7752 \div 1.7$
(d) $7752 \div 4560$ (e) $7752 \div 45.6$ (f) $775.2 \div 17$
(g) $77.52 \div 45.6$ (h) $77.52 \div 0.17$ (i) $77520 \div 1700$

Question 7: Given that $3088 \div 193 = 16$
Write down the value of:

- (a) $3088 \div 16$ (b) 193×16 (c) $3088 \div 19.3$
(d) $308.8 \div 19.3$ (e) 193×160 (f) 19.3×160
(g) $30.88 \div 16$ (h) 1.6×1.93 (i) $30880 \div 16$

Question 8: Given that $22176 = 84 \times 264$
Write down the value of:

- (a) 8.4×26.4 (b) 840×2640 (c) 8.4×2640
(d) $2217.6 \div 264$ (e) 8400×2.64 (f) 840×2.64
(g) $22.176 \div 0.84$ (h) 42×264 (i) 84×263
(j) 85×264

Question 9: Using the information that $3.6 \times 48 = 172.8$
Write down the value of:

- (a) 36×48 (b) 3.6×4.8 (c) $172.8 \div 36$

Question 10: Using the information that $96 \times 321 = 30816$
Write down the value of:

- (a) 9.6×3.21 (b) 0.96×321000 (c) $30.816 \div 9.6$
(d) $3.0816 \div 9.6$ (e) $308.16 \div 0.0321$ (f) $308160 \div 9600$

Apply

Question 1: $42 \times 31 = 1302$
Explain how you could use this fact to answer 42×32

Question 2: $3111 \div 17 = 183$
Explain how you can use this fact to answer 183×16

Question 3: $96 \times 24 = 2304$
Explain how you can use this fact to answer 48×48

Question 4: Max is given the information that

$$\frac{150}{2.4} = 62.5$$

Max says that $15 \div 0.625 = 240$
Is Max correct?

Question 5: Heidi has completed her homework.
Can you spot any mistakes?

Using the information that

$$87 \times 456 = 39672$$

write down the value of

(a) 0.87×456000

$$\begin{array}{r} 39672 \\ \hline \end{array} \quad (1)$$

(c) $39.672 \div 4.56$

$$\begin{array}{r} 87 \\ \hline \end{array} \quad (1)$$

(b) 870×4.56

$$\begin{array}{r} 3967.2 \\ \hline \end{array} \quad (1)$$

(d) $3967.2 \div 8.7$

$$\begin{array}{r} 4560 \\ \hline \end{array} \quad (1)$$

Answers

