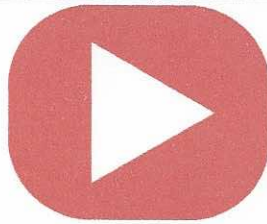


Examples



Click here



Scan here

Workout

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

- (a) $450 \div 18$ ²⁵ (b) $450 \div 25$ ¹⁸ (c) 180×25 ⁴⁵⁰⁰ (d) 180×250 ⁴⁵⁰⁰⁰
 (e) 18×2500 ⁴⁵⁰⁰⁰ (f) 1.8×25 ⁴⁵ (g) 18×2.5 ⁴⁵ (h) 1.8×2.5 ^{4.5}

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

- (a) $1656 \div 23$ ⁷² (b) $1656 \div 72$ ²³ (c) 230×72 ¹⁶⁵⁶⁰ (d) 7200×23 ¹⁶⁵⁶⁰⁰
 (e) 720×230 ¹⁶⁵⁶⁰⁰ (f) 72×2.3 ^{165.6} (g) 7.2×2.3 ^{16.56} (h) 7.2×230 ¹⁶⁵⁶
 (i) 7200×2.3 ¹⁶⁵⁶⁰ (j) 0.72×2300 ¹⁶⁵⁶ (k) 7.2×0.23 ^{1.656} (l) 0.72×0.23 ^{0.1656}

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

- (a) 30×44 ¹³²⁰ (b) 60×22 ¹³²⁰ (c) 60×44 ²⁶⁴⁰ (d) 15×22 ³³⁰
 (e) 30×11 ³³⁰ (f) 15×11 ¹⁶⁵ (g) 90×22 ¹⁹⁸⁰ (h) 30×88 ²⁶⁴⁰
 (i) 150×22 ³³⁰⁰ (j) 15×44 ⁶⁶⁰ (k) 60×11 ⁶⁶⁰ (l) 15×66 ⁹⁹⁰

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

- (a) 30×46 ¹³⁸⁰ (b) 28×46 ¹²⁸⁸ (c) 29×47 ¹³⁶³ (d) 29×45 ¹³⁰⁵

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

- (a) 76×31 ²³⁵⁶ (b) 75×30 ²²⁵⁰ (c) 75×33 ²⁴⁷⁵ (d) 70×31 ²¹⁷⁰

Place Value: Operations

Video 222a on Corbettmaths

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

- (a) $7752 \div 17$ *456* (b) $77520 \div 456$ *170* (c) $7752 \div 1.7$ *4560*
 (d) $7752 \div 4560$ *1.7* (e) $7752 \div 45.6$ *170* (f) $775.2 \div 17$ *45.6*
 (g) $77.52 \div 45.6$ *1.7* (h) $77.52 \div 0.17$ *456* (i) $77520 \div 1700$ *45.6*

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

- (a) $3088 \div 16$ *193* (b) 193×16 *3088* (c) $3088 \div 19.3$ *160*
 (d) $308.8 \div 19.3$ *16* (e) 193×160 *30880* (f) 19.3×160 *3088*
 (g) $30.88 \div 16$ *1.93* (h) 1.6×1.93 *3.088* (i) $30880 \div 16$ *1930*

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

- (a) 8.4×26.4 *221.76* (b) 840×2640 *2217600* (c) 8.4×2640 *22176*
 (d) $2217.6 \div 264$ *8.4* (e) 8400×2.64 *22176* (f) 840×2.64 *2217.6*
 (g) $22.176 \div 0.84$ *26.4* (h) 42×264 *11088* (i) 84×263 *22092*
 (j) 85×264 *22440*

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

- (a) 36×48 *1728* (b) 3.6×4.8 *17.28* (c) $172.8 \div 36$ *4.8*

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

- (a) 9.6×3.21 *30.816* (b) 0.96×321000 *308160* (c) $30.816 \div 9.6$ *3.21*
 (d) $3.0816 \div 9.6$ *0.321* (e) $308.16 \div 0.0321$ *9600* (f) $308160 \div 9600$ *32.1*

Apply

Question 1: $42 \times 31 = 1302$ *Add on one more "lot" of 42.*
Explain how you could use this fact to answer 42×32 *(1344)*

Question 2: $3111 \div 17 = 183$ *$17 \times 183 = 3111$*
Explain how you can use this fact to answer 183×16 *So subtract one 'lot' of 183 (2928)*

Question 3: $96 \times 24 = 2304$ *As one number has been doubled and the other number halved, the answer will stay the same.*
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? *No, it is 24.*

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

396720

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

(c) $39.672 \div 4.56$

8.7

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

(b) 870×4.56

3967.2 ✓

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

(d) $3967.2 \div 8.7$

456

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

Answers

