

# Multiplication by 10, 100, 1000

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Examples



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Workout

Question 1: Work out each of the following multiplications

- |                      |                       |                      |                       |
|----------------------|-----------------------|----------------------|-----------------------|
| (a) $3 \times 10$    | (b) $8 \times 10$     | (c) $12 \times 10$   | (d) $16 \times 10$    |
| (e) $25 \times 10$   | (f) $42 \times 10$    | (g) $78 \times 10$   | (h) $20 \times 10$    |
| (i) $90 \times 10$   | (j) $112 \times 10$   | (k) $203 \times 10$  | (l) $140 \times 10$   |
| (m) $529 \times 10$  | (n) $400 \times 10$   | (o) $1925 \times 10$ | (p) $3500 \times 10$  |
| (q) $2710 \times 10$ | (r) $50000 \times 10$ | (s) $6204 \times 10$ | (t) $99099 \times 10$ |

Question 2: Work out each of the following multiplications

- |                        |                         |                        |                        |
|------------------------|-------------------------|------------------------|------------------------|
| (a) $0.2 \times 10$    | (b) $0.8 \times 10$     | (c) $0.1 \times 10$    | (d) $1.3 \times 10$    |
| (e) $5.8 \times 10$    | (f) $15.1 \times 10$    | (g) $20.5 \times 10$   | (h) $357.4 \times 10$  |
| (i) $0.06 \times 10$   | (j) $0.14 \times 10$    | (k) $0.42 \times 10$   | (l) $3.07 \times 10$   |
| (m) $0.009 \times 10$  | (n) $0.0053 \times 10$  | (o) $0.105 \times 10$  | (p) $0.0381 \times 10$ |
| (q) $3.4905 \times 10$ | (r) $0.25801 \times 10$ | (s) $400.05 \times 10$ | (t) $122.08 \times 10$ |

Question 3: Work out each of the following multiplications

- |                       |                       |                       |                        |
|-----------------------|-----------------------|-----------------------|------------------------|
| (a) $4 \times 100$    | (b) $7 \times 100$    | (c) $15 \times 100$   | (d) $28 \times 100$    |
| (e) $30 \times 100$   | (f) $90 \times 100$   | (g) $165 \times 100$  | (h) $593 \times 100$   |
| (i) $520 \times 100$  | (j) $203 \times 100$  | (k) $400 \times 100$  | (l) $100 \times 100$   |
| (m) $2000 \times 100$ | (n) $3902 \times 100$ | (o) $2030 \times 100$ | (p) $40001 \times 100$ |

Question 4: Work out each of the following multiplications

- |                       |                       |                       |                       |
|-----------------------|-----------------------|-----------------------|-----------------------|
| (a) $0.3 \times 100$  | (b) $0.9 \times 100$  | (c) $0.02 \times 100$ | (d) $0.05 \times 100$ |
| (e) $0.15 \times 100$ | (f) $0.23 \times 100$ | (g) $5.8 \times 100$  | (h) $4.13 \times 100$ |

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- (i)  $3.08 \times 100$       (j)  $0.822 \times 100$       (k)  $0.606 \times 100$       (l)  $0.004 \times 100$   
(m)  $320.4 \times 100$       (n)  $2.3802 \times 100$       (o)  $0.00351 \times 100$       (p)  $105.1 \times 100$

Question 5: Work out each of the following multiplications

- (a)  $5 \times 1000$       (b)  $9 \times 1000$       (c)  $18 \times 1000$       (d)  $45 \times 1000$   
(e)  $40 \times 1000$       (f)  $70 \times 1000$       (g)  $200 \times 1000$       (h)  $595 \times 1000$   
(i)  $710 \times 1000$       (j)  $909 \times 1000$       (k)  $900 \times 1000$       (l)  $1000 \times 1000$   
(m)  $8000 \times 1000$       (n)  $5800 \times 1000$       (o)  $5040 \times 1000$       (p)  $60000 \times 1000$

Question 6: Work out each of the following multiplications

- (a)  $0.2 \times 1000$       (b)  $0.8 \times 1000$       (c)  $1.4 \times 1000$       (d)  $8.3 \times 1000$   
(e)  $0.06 \times 1000$       (f)  $0.007 \times 1000$       (g)  $17.5 \times 1000$       (h)  $30.9 \times 1000$   
(i)  $4.45 \times 1000$       (j)  $0.48 \times 1000$       (k)  $0.033 \times 1000$       (l)  $0.0081 \times 1000$   
(m)  $0.403 \times 1000$       (n)  $0.2002 \times 1000$       (o)  $1.0934 \times 1000$       (p)  $93.0491 \times 1000$

Question 7: Work out each of the following multiplications

- (a)  $76 \times 10$       (b)  $230 \times 100$       (c)  $3 \times 1000$       (d)  $52 \times 1000$   
(e)  $6 \times 100$       (f)  $352 \times 10$       (g)  $4.5 \times 100$       (h)  $0.9 \times 10$   
(i)  $25 \times 100$       (j)  $8001 \times 1000$       (k)  $4.1 \times 1000$       (l)  $0.75 \times 10$   
(m)  $3.5 \times 100$       (n)  $50.89 \times 100$       (o)  $0.018 \times 100$       (p)  $0.679 \times 1000$   
(q)  $0.888 \times 10$       (r)  $3094.5 \times 100$       (s)  $255.21 \times 10$       (t)  $39.001 \times 1000$   
(u)  $3.005 \times 10$       (v)  $0.005 \times 100$       (w)  $8900 \times 100$       (x)  $0.011 \times 1000$   
(y)  $94.6 \times 100$       (z)  $4.99 \times 1000$

Apply

Question 1: Natalie saves £100 a month towards a new car.  
How much money will she have saved after 11 months?



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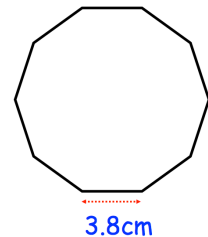
Question 2: A box contains 10 eggs.  
Hilary needs 68 eggs.  
How many boxes of eggs should she buy?

Question 3: A ticket for a charity concert costs £10.  
231 tickets are sold.  
How much money is raised for charity?

Question 4: A box of drawing pins contains 100 pins.  
How many drawing pins are there in 40 boxes?

Question 5: (a) How many years are there in 15 centuries?  
(b) How many years are there in 8 decades?  
(c) How many years are there in 4 millennia?

Question 6: The decagon below is regular, which means that all sides are the same length.  
Work out the perimeter of the decagon.



Question 7: Shown below are some questions and answers.  
Match each question and correct answer.  
The first one has been completed for you.

0.032 × 10	32
3.2 × 10	0.32
0.32 × 10	3.2
0.32 × 1000	3200
32 × 100	320

Question 8: Write down the value of the 2 in the answer to  $7.025 \times 1000$

Question 9: A coffee shop sells cups of coffee in 0.3 litre cups.  
In one week they sell 10000 cups of coffee.  
How many litres of coffee do they sell in one week?

Answers



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