

Examples



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Workout

Question 1: Answer each of the following multiplications

- | | | | |
|---------------------|---------------------|----------------------|----------------------|
| (a) 2×-3 | (b) -4×3 | (c) -5×5 | (d) -7×-2 |
| (e) -6×-3 | (f) 8×-4 | (g) -9×3 | (h) -5×-8 |
| (i) -9×7 | (j) 10×-8 | (k) 7×-4 | (l) 6×8 |
| (m) -11×3 | (n) 4×-15 | (o) -12×-12 | (p) -5×7 |
| (q) 9×-8 | (r) -7×-8 | (s) 12×-6 | (t) 4×-13 |
| (u) -11×10 | (v) -20×-6 | (w) 14×7 | (x) -18×-13 |
| (y) 25×-7 | (z) -16×21 | | |

Question 2: Answer each of the following multiplications

- | | | | |
|-----------------------------|------------------------------|------------------------------|------------------------------|
| (a) $2 \times 3 \times -2$ | (b) $-3 \times 2 \times 5$ | (c) $-5 \times -6 \times 2$ | (d) $10 \times -3 \times -4$ |
| (e) $-9 \times 2 \times -2$ | (f) $-4 \times -3 \times -5$ | (g) $-8 \times -8 \times -2$ | (h) $5 \times -4 \times -7$ |

Question 3: Work out each of the following

- | | | | |
|---------------|--------------|---------------|---------------|
| (a) $(-3)^2$ | (b) $(-6)^2$ | (c) $(-2)^2$ | (d) $(-1)^2$ |
| (e) $(-10)^2$ | (f) $(-8)^2$ | (g) $(-12)^2$ | (h) $(-20)^2$ |

Question 4: Work out each of the following

- | | | | |
|--------------|---------------|--------------|--------------|
| (a) $(-2)^3$ | (b) $(-3)^3$ | (c) $(-1)^3$ | (d) $(-5)^3$ |
| (e) $(-1)^4$ | (f) $(-10)^4$ | (g) $(-2)^4$ | (h) $(-3)^4$ |

Question 5: Answer each of the following divisions

- | | | | |
|------------------|------------------|------------------|------------------|
| (a) $-10 \div 2$ | (b) $-12 \div 3$ | (c) $-24 \div 4$ | (d) $-42 \div 6$ |
|------------------|------------------|------------------|------------------|

Negative Numbers: Multiplication and Division Videos 206 and 207 on Corbettmaths

- | | | | |
|-------------------|--------------------|--------------------|--------------------|
| (e) $9 \div -3$ | (f) $21 \div -7$ | (g) $-44 \div 11$ | (h) $-72 \div 9$ |
| (i) $-10 \div -5$ | (j) $-28 \div -4$ | (k) $-30 \div -3$ | (l) $-48 \div -8$ |
| (m) $-6 \div 6$ | (n) $24 \div -3$ | (o) $-12 \div -12$ | (p) $-132 \div 11$ |
| (q) $72 \div -8$ | (r) $-108 \div -9$ | (s) $36 \div -9$ | (t) $100 \div -4$ |
| (u) $-95 \div 5$ | (v) $-49 \div -7$ | (w) $144 \div 12$ | (x) $-215 \div -5$ |
| (y) $90 \div -15$ | (z) $-342 \div 9$ | | |

Question 6: Answer each of the following divisions

- | | | | |
|----------------------|----------------------|---------------------|----------------------|
| (a) -9×-5 | (b) $-32 \div 8$ | (c) $66 \div -6$ | (d) 2×-12 |
| (e) $-24 \div -3$ | (f) -12×7 | (g) $-54 \div 6$ | (h) -16×-2 |
| (i) 8×-6 | (j) -7×-6 | (k) $40 \div -8$ | (l) $56 \div -7$ |
| (m) $-81 \div -9$ | (n) -14×-5 | (o) 10×-11 | (p) $-65 \div 5$ |
| (q) -90×-3 | (r) $-170 \div -10$ | (s) $1 \div -1$ | (t) -1.5×-3 |
| (u) $-17 \div 2$ | (v) 2.2×-10 | (w) $-93 \div -10$ | (x) -6.2×-3 |
| (y) -9×10.5 | (z) $52 \div -5$ | | |

Apply

Question 1: Work out the missing numbers

- | | |
|-------------------------------|-------------------------------|
| (a) $-6 \times \square = -30$ | (b) $-6 \times \square = 0$ |
| (c) $-6 \times \square = 18$ | (d) $\square \times -6 = -54$ |

Question 2: Work out the missing numbers

- | | |
|----------------------------|----------------------------|
| (a) $-24 \div \square = 6$ | (b) $\square \div -8 = -2$ |
| (c) $32 \div \square = -4$ | (d) $\square \div -3 = 4$ |

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- Question 3: Write down eight multiplications with an answer of -20
- Question 4: Write down eight divisions with an answer of -3
- Question 5: Write down the next two numbers in each of these number sequences
- (a) 2, -6 , 18, ..., ...
 - (b) -5 , 10, -20 , ..., ...
 - (c) 240, -120 , 60, ..., ...
 - (d) -12 , 6, -3 , ..., ...

- Question 6: Shown below is a “magic square” where the product of each row, column and diagonal are equal.

Find the missing numbers

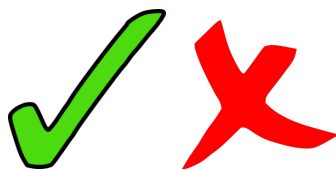
	36	
9	6	4
-12		

- Question 7: Shown below is a “magic square” where the product of each row, column and diagonal are equal.

Find the missing numbers

-5	100	
4		25
		-20

Answers



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