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Negative Numbers: Multiplication and Division
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Examples

Workout

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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) $-42 \div 6$

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(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

(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

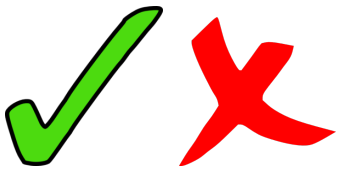
	36	
9	6	4
-12		

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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