

Workout

Question 1: Answer each of the following multiplications

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

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) $-42 \div 6$  |
| (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)  $-9 \times -5$

(b)  $-32 \div 8$

(c)  $66 \div -6$

(d)  $2 \times -12$

(e)  $-24 \div -3$

(f)  $-12 \times 7$

(g)  $-54 \div 6$

(h)  $-16 \times -2$

(i)  $8 \times -6$

(j)  $-7 \times -6$

(k)  $40 \div -8$

(l)  $56 \div -7$

(m)  $-81 \div -9$

(n)  $-14 \times -5$

(o)  $10 \times -11$

(p)  $-65 \div 5$

(q)  $-90 \times -3$

(r)  $-170 \div -10$

(s)  $1 \div -1$

(t)  $-1.5 \times -3$

(u)  $-17 \div 2$

(v)  $2.2 \times -10$

(w)  $-93 \div -10$

(x)  $-6.2 \times -3$

(y)  $-9 \times 10.5$

(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)  $\square \div -3 = 4$

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

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