

INTEGER MULTIPLICATION

1. Determine the integer whose product with '-1' is 58

- (a) 0
- (b) -1
- (c) 58
- (d) -58

2. Determine the integer whose product with '-1' is 0

- (a) 1
- (b) 0
- (c) -1
- (d) None of these

3. Determine the integer whose product with '-1' is -225

- (a) 0
- (b) 1
- (c) -225
- (d) 225

What will be the sign of the product if we multiply together;

1. 8 negative integers and 1 positive integer?

(a) positive

(b) negative

2. 21 negative integers and 3 positive integers?

(a) positive

(b) negative

3. 199 negative integers and 10 positive integers?

(a) positive

(b) negative

State which is greater:

1. $(8 + 9) \times 10$ and $8 + 9 \times 10$

(a) $(8 + 9) \times 10$

(b) $8 + 9 \times 10$

2. $(8 - 9) \times 10$ and $8 - 9 \times 10$

(a) $(8 - 9) \times 10$

(b) $8 - 9 \times 10$

3. $\{(-2) - 5\} \times (-6)$ and $(-2) - 5 \times (-6)$

(a) $\{(-2) - 5\} \times (-6)$

(b) $(-2) - 5 \times (-6)$

4. If $a \times (-1) = -30$, is the integer a positive or negative?

5. If $a \times (-1) = 30$, is the integer a positive or negative?

True or False:

1. The product of a positive and a negative integer is negative.

2. The product of three negative integers is a negative integer.

3. Of the two integers, if one is negative, then their product must be positive.

4. For all non-zero integers a and b , $a \times b$ is always greater than either a or b .

5. The product of a negative and a positive integer may be zero.

6. There does not exist an integer b such that for $a > 1$, $a \times b = b \times a = b$.