Properties of Subtraction of Integers

Question 1

If (a = -5) and (b = 7), what is (a - b)?

A) 12

B) -12

C) 2

D) -2

Question 2

The subtraction of an integer from itself always results in:

A) The integer itself

B) 1

C) 0

D) -1

Question 3

What is (-10 - (-3))?

A) -13

B) -7

C) 7

D) 13

Question 4

The result of subtracting a positive integer from a negative integer is always:

A) Positive

B) Zero

C) Negative

D) Impossible to determine

Question 5

If (x = 8) and (y = -3), what is (x - y)?

A) 5

B) -5

C) 11

D) 15

Question 6

Subtracting zero from any integer results in:

A) The integer itself

B) Zero

C) A negative number

D) A positive number

Question 7

What is the result of (-8 - 4)?

A) -4

B) -12

C) 12

D) -16

Question 8

When subtracting two negative integers, (-a - (-b)), the result will be:

A) Always negative

B) Always positive

C) Sometimes positive, sometimes negative

D) Always zero

Question 9

If (a = -6) and (b = -4), what is (a - b)?

A) -10

B) 2

C) -2

D) 10

Question 10

Which of the following statements is true about integer subtraction?

A) Subtracting a positive integer always results in a positive integer.

B) Subtracting a negative integer is the same as adding a positive integer.

C) Subtracting a negative integer results in a negative integer.

D) Subtracting zero changes the integer.

Question 11

For any integer (a), the result of (a - a) is:

A) a

B) -a

C) 1

D) 0

Question 12

What is the result of (0 - (-15))?

A) -15

B) 15

C) 0

D) -30

Question 13

Which of the following is false?

A) Subtracting a negative number is the same as adding its positive.

B) Subtracting an integer from zero always gives a negative result.

C) Subtracting a positive integer from a negative integer results in a negative integer.

D) The difference between two integers can sometimes be zero.

Question 14

If (x = -10), what is (x - 5)?

A) -15

B) 15

C) -5

D) -10

Question 15

If (a = 7) and (b = -9), what is (b - a)?

A) -16

B) 16

C) 2

D) -2