Which of the following statements is true for integers:

A) They include fractions.

B) They must be either zero or positive.

C) The must be either zero or negative.

D) They are whole numbers and can be negative, positive or zero.

Choose the **factors** in the equation: 2 x 4 = 8

A) 4 and 8

B) 2 and 8

C) 2 and 4

D) 2, 4, and 8

The **product** is the result of multiplying two integer factors together.

A) True

B) False

A **negative** integer multiplied by another **negative** integer number results in a \_\_\_\_\_\_\_\_\_\_\_\_.

A) *negative* integer

B) *positive* integer

When is the **product** of multiplying two **factors** always **positive**?

A) When the signs of the two factors are *different*.

B) When the signs of the two factors are the *same*.

Fill in the chart using positive **( + )** or negative **( - )** signs: ( 4 pts \_\_\_ )

**( \_\_\_ ) x ( - ) = ( + ) ( + ) x ( + ) = ( \_\_\_ )**

**( \_\_\_ ) x ( - ) = ( - ) ( - ) x ( \_\_\_ ) = ( - )**

Calendar

Description automatically generated

Answer the following equations ( 9 pts ):

4 x 5 = \_\_\_\_\_\_\_\_\_\_ (-7) x (-2) = \_\_\_\_\_\_\_\_\_\_ (+9) x (-2) = \_\_\_\_\_\_\_\_\_\_

-5 x -5 = \_\_\_\_\_\_\_\_\_ (5 x -3) = \_\_\_\_\_\_\_\_\_\_ (-7) x (-7) = \_\_\_\_\_\_\_\_\_\_

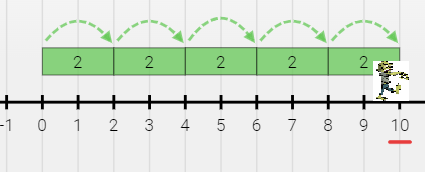
6 x -4 = \_\_\_\_\_\_\_\_\_ (-11 x 12) = \_\_\_\_\_\_\_\_\_\_ (-10) x (-12) = \_\_\_\_\_\_\_\_\_\_

What are the ***products*** for the following equations?   
 (-5 x -5) = \_\_\_\_\_\_\_\_\_\_

(5 \* (+5)) = \_\_\_\_\_\_\_\_\_\_

(5 ⋅ 5) = \_\_\_\_\_\_\_\_\_\_

Were the ***products*** for these equations ***the same*** or ***different***?  
The products were \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



Which direction is the Zombie facing, **left** or **right**?   
*(Hint: left is negative, right is positive)*

It is facing \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Which direction did the Zombie move, **forwards** or **backwards**?   
*(Hint: backwards is negative, forwards is positive)*

It moved \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

How many jumps did the Zombie make?

It jumped \_\_\_\_\_\_ times.

How big is the Zombie’s jump?  
It is \_\_\_\_\_\_ steps on the number line.

Based on the picture, write its equation’

Chart

Description automatically generated

Which direction is the Zombie facing, **left** or **right**?   
*(Hint: left is negative, right is positive)*

It is facing \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Which direction did the Zombie move, **forwards** or **backwards**?   
*(Hint: backwards is negative, forwards is positive)*

It moved \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

How many jumps did the Zombie make?

It jumped \_\_\_\_\_\_ times.

How big is the Zombie’s jump?  
It is \_\_\_\_\_\_ steps on the number line.

Based on the picture, write its equation’

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Challenge Bonus Questions (each 1 pt):

5 x [ \_\_\_\_\_\_ ] = -550

2(-15) = \_\_\_\_\_\_

(2 x (-3 + 9)) = \_\_\_\_\_\_\_\_

-1 x -2 x -3 x - 4 = \_\_\_\_\_\_\_\_.

ANSWER KEY:

Which of the following statements is true for integers:

A) They include fractions.

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D) They are whole numbers and can be negative, positive or zero.

Choose the **factors** in the equation: 2 x 4 = 8

A) 4 and 8

B) 2 and 8

C) 2 and 4

D) 2, 4, and 8

The **product** is the result of multiplying two integer factors together.

A) True

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A **negative** integer multiplied by another **negative** integer number results in a \_\_\_\_\_\_\_\_\_\_\_\_.

A) *negative* integer

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When is the **product** of multiplying two **factors** always **positive**?

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Fill in the chart using positive **( + )** or negative **( - )** signs: ( 4 pts \_\_\_ )

**( \_-\_\_ ) x ( - ) = ( + ) ( + ) x ( + ) = ( \_\_+\_ )**

**( \_+\_\_ ) x ( - ) = ( - ) ( - ) x ( \_\_+\_ ) = ( - )**

Calendar

Description automatically generated

Answer the following equations ( 9 pts ):

4 x 5 = \_\_\_\_20\_\_\_\_\_\_ (-7) x (-2) = \_\_\_\_14\_\_\_\_\_\_ (+9) x (-2) = \_\_\_\_\_-18\_\_\_\_\_

-5 x -5 = \_\_\_\_25\_\_\_\_\_ (5 x -3) = \_\_\_\_\_-15\_\_\_\_\_ (-7) x (-7) = \_\_\_\_\_49\_\_\_\_\_

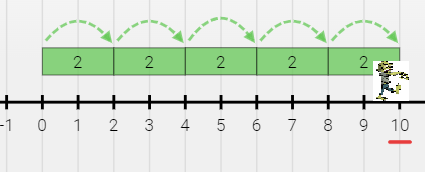
6 x -4 = \_\_\_\_-24\_\_\_\_\_ (-11 x 12) = \_\_\_\_\_-132\_\_\_\_\_ (-10) x (-12) = \_\_\_\_120\_\_\_\_\_\_

What are the ***products*** for the following equations?   
 (-5 x -5) = \_\_\_\_\_25\_\_\_\_

(5 \* (+5)) = \_\_\_\_25\_\_\_\_\_\_

(5 ⋅ 5) = \_\_\_\_\_25\_\_\_\_\_

Were the ***products*** for these equations ***the same*** or ***different***?  
The products were \_\_\_\_\_\_\_the same \_\_\_\_\_\_\_\_\_\_.



Which direction is the Zombie facing, **left** or **right**?   
*(Hint: left is negative, right is positive)*

It is facing \_\_\_\_\_ right \_\_\_\_\_\_.

Which direction did the Zombie move, **forwards** or **backwards**?   
*(Hint: backwards is negative, forwards is positive)*

It moved \_\_\_\_\_ forwards \_\_\_\_\_\_\_\_.

How many jumps did the Zombie make?

It jumped \_\_5\_\_ times.

How big is the Zombie’s jump?  
It is \_\_2\_\_ steps on the number line.

Based on the picture, write its equation’

5 x 2 = 10

Chart

Description automatically generated

Which direction is the Zombie facing, **left** or **right**?   
*(Hint: left is negative, right is positive)*

It is facing \_\_\_\_\_ right \_\_\_\_\_\_\_.

Which direction did the Zombie move, **forwards** or **backwards**?   
*(Hint: backwards is negative, forwards is positive)*

It moved \_\_\_\_\_\_ forwards \_\_\_\_\_\_\_\_\_.

How many jumps did the Zombie make?

It jumped \_\_\_ 2 \_\_\_ times.

How big is the Zombie’s jump?  
It is \_\_\_ 5 \_\_\_ steps on the number line.

Based on the picture, write its equation’

\_\_\_\_\_ 2 x 5 = 10 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Challenge Bonus Questions (each 1 pt):

5 x [ -110 ] = -550

2(-15) =-30

(2 x (-3 + 9)) = 12

-1 x -2 x -3 x - 4 = 24.