🔥 **StudyBlaze.io**

Your AI Tutor for interactive quiz, worksheet and flashcard creation.

Integers Worksheet

Integers Worksheet

Disclaimer: *The integers worksheet was generated with the help of StudyBlaze AI. Please be aware that AI can make mistakes. Please consult your teacher if you're unsure about your solution or think there might have been a mistake. Or reach out directly to the StudyBlaze team at max@studyblaze.io.*

Part 1: Foundational Knowledge

What is the definition of an integer?

Hint: Think about the characteristics of whole numbers.

○ A) A number that includes fractions and decimals
○ B) A whole number that can be positive, negative, or zero
○ C) A number that is always positive
○ D) A number that is always negative

What is the definition of an integer?

Hint: Think about the characteristics of whole numbers.

○ A) A number that includes fractions and decimals
○ B) A whole number that can be positive, negative, or zero
○ C) A number that is always positive
○ D) A number that is always negative

What is the definition of an integer?

Hint: Think about the characteristics of whole numbers.

○ A) A number that includes fractions and decimals
○ B) A whole number that can be positive, negative, or zero
○ C) A number that is always positive
○ D) A number that is always negative

Which of the following are properties of integers? (Select all that apply)

Hint: Consider the fundamental properties of addition and multiplication.

☐ A) Closure

Create hundreds of practice and test experiences based on the latest learning science.

Visit Studyblaze.io

Integers Worksheet

🔥 **StudyBlaze.io**

Your AI Tutor for interactive quiz, worksheet and flashcard creation.

☐ B) Reflexie Property
☐ C) Commutative Property
☐ D) Associative Property

Which of the following are properties of integers? (Select all that apply)

Hint: Consider the fundamental properties of integers.

☐ A) Closure
☐ B) Reflexivity
☐ C) Commutative Property
☐ D) Associative Property

Which of the following are properties of integers? (Select all that apply)

Hint: Consider the fundamental properties of integer operations.

☐ A) Closure
☐ B) Reflexivity
☐ C) Commutative Property
☐ D) Associative Property

Explain the commutative property of addition in your own words.

Hint: Think about how changing the order of numbers affects the sum.

Explain the commutative property of addition in your own words.

Hint: Think about how changing the order of numbers affects the sum.

Create hundreds of practice and test experiences based on the latest learning science.

Visit Studyblaze.io

Integers Worksheet

🔥 **StudyBlaze.io**

Your AI Tutor for interactive quiz, worksheet and flashcard creation.

[ ]

Explain the commutative property of addition in your own words.

Hint: Think about how changing the order of numbers affects the sum.

[ ]

On a number line, which direction do you move to find a greater integer?

Hint: Think about the arrangement of numbers on the line.

○ A) Left
○ B) Right
○ C) Up
○ D) Down

On a number line, which direction do you move to find a greater integer?

Hint: Think about the arrangement of numbers on a number line.

○ A) Left
○ B) Right
○ C) Up
○ D) Down

On a number line, which direction do you move to find a greater integer?

Hint: Think about the arrangement of numbers on a number line.

○ A) Left
○ B) Right

Create hundreds of practice and test experiences based on the latest learning science.

Visit Studyblaze.io

Integers Worksheet

🔥 **StudyBlaze.io**

Your AI Tutor for interactive quiz, worksheet and flashcard creation.

◯ C) Up
◯ D) Down

Part 2: Understanding and Interpretation

Which of the following statements are true about the number line? (Select all that apply)

Hint: Consider the properties of the number line.

☐ A) Zero is the neutral point.
☐ B) Numbers to the left are greater.
☐ C) Numbers to the right are greater.
☐ D) It only includes positive numbers.

Which of the following statements are true about the number line? (Select all that apply)

Hint: Consider the properties of the number line.

☐ A) Zero is the neutral point.
☐ B) Numbers to the left are greater.
☐ C) Numbers to the right are greater.
☐ D) It only includes positive numbers.

Which of the following statements are true about the number line? (Select all that apply)

Hint: Consider the properties of the number line.

☐ A) Zero is the neutral point.
☐ B) Numbers to the left are greater.
☐ C) Numbers to the right are greater.
☐ D) It only includes positive numbers.

Describe how you would use the number line to compare the integers -5 and 3.

Hint: Think about their positions on the number line.

Create hundreds of practice and test experiences based on the latest learning science.

Visit Studyblaze.io

Integers Worksheet

🔥 **StudyBlaze.io**

Your AI Tutor for interactive quiz, worksheet and flashcard creation.

[text area]

Describe how you would use the number line to compare the integers -5 and 3.

Hint: Think about the positions of these integers on the number line.

[text area]

Describe how you would use the number line to compare the integers -5 and 3.

Hint: Think about the positions of these integers on the number line.

[text area]

What is the absolute value of -7?

Hint: Consider the distance from zero on the number line.

○ A) -7
○ B) 0
○ C) 7
○ D) 14

What is the absolute value of -7?

Create hundreds of practice and test experiences based on the latest learning science.

Visit Studyblaze.io

Integers Worksheet

🔥 **StudyBlaze.io**

Your AI Tutor for interactive quiz, worksheet and flashcard creation.

Hint: Consider the distance from zero on the number line.

○ A) -7
○ B) 0
○ C) 7
○ D) 14

What is the absolute value of -7?

Hint: Consider the distance from zero on the number line.

○ A) -7
○ B) 0
○ C) 7
○ D) 14

Part 3: Applying Knowledge

Apply the distributative property to simplify the expression: 3(4 + 5).

Hint: Think about how to distribute the 3 across the terms in the parentheses.

Apply the distributative property to simplify the expression: 3(4 + 5).

Hint: Think about how to distribute the 3 across the terms in the parentheses.

Create hundreds of practice and test experiences based on the latest learning science.

Visit Studyblaze.io

Integers Worksheet

🔥 **StudyBlaze.io**

Your AI Tutor for interactive quiz, worksheet and flashcard creation.

Apply the distributative property to simplify the expression: 3(4 + 5).

Hint: Think about how to distribute the 3 across the terms in the parentheses.

If you subtract -4 from 7, what is the result?

Hint: Remember that subtractting a negative is the same as adding.

- ◯ A) 3
- ◯ B) 11
- ◯ C) -11
- ◯ D) -3

If you subtract -4 from 7, what is the result?

Hint: Think about how subtract ing a negative number affects the result.

- ◯ A) 3
- ◯ B) 11
- ◯ C) -11
- ◯ D) -3

If you subtract -4 from 7, what is the result?

Hint: Remember that subtract ing a negative is the same as adding.

- ◯ A) 3
- ◯ B) 11
- ◯ C) -11
- ◯ D) -3

Which of the following operations will result in a positive integer? (Select all that apply)

Hint: Consider the effects of each operation on the integers involved.

- ☐ A) -2 * -3

Create hundreds of practice and test experiences based on the latest learning science.

Visit Studyblaze.io

Integers Worksheet

🔥 **StudyBlaze.io**

Your AI Tutor for interactive quiz, worksheet and flashcard creation.

☐ B) 5 + (-5)
☐ C) 6 - (-2)
☐ D) -7 + 7

Which of the following operations will result in a positive integer? (Select all that apply)

Hint: Consider the effects of each operation on the integers involved.

☐ A) -2 * -3
☐ B) 5 + (-5)
☐ C) 6 - (-2)
☐ D) -7 + 7

Which of the following operations will result in a positive integer? (Select all that apply)

Hint: Consider the effects of each operation on the integers involved.

☐ A) -2 * -3
☐ B) 5 + (-5)
☐ C) 6 - (-2)
☐ D) -7 + 7

Part 4: Analyzing Relationships

Analyze the expression 2(-3 + 4) and explain each step to find the result.

Hint: Break down the expression into manageable parts.

Analyze the expression 2(-3 + 4) and explain each step to find the result.

Hint: Break down the expression step by step.

Create hundreds of practice and test experiences based on the latest learning science.

Visit Studyblaze.io

Integers Worksheet

🔥 **StudyBlaze.io**

Your AI Tutor for interactive quiz, worksheet and flashcard creation.

Analyze the expression 2(-3 + 4) and explain each step to find the result.

Hint: Break down the expression step by step.

Which property is illustrated by the equation 6 + (4 + 2) = (6 + 4) + 2?

Hint: Consider the grouping of numbers in addition.

◯ A) Commutative Property
◯ B) Associative Property
◯ C) Distributative Property
◯ D) Closure Property

Which property is illustrated by the equation 6 + (4 + 2) = (6 + 4) + 2?

Hint: Consider the properties of addition.

◯ A) Commutative Property
◯ B) Associative Property
◯ C) Distributative Property
◯ D) Closure Property

Which property is illustrated by the equation 6 + (4 + 2) = (6 + 4) + 2?

Hint: Consider the properties of addition.

◯ A) Commutative Property
◯ B) Associative Property

Create hundreds of practice and test experiences based on the latest learning science.

Visit Studyblaze.io

Integers Worksheet

🔥 **StudyBlaze.io**

Your AI Tutor for interactive quiz, worksheet and flashcard creation.

◯ C) Distributative Property
◯ D) Closure Property

Part 5: Synthesis and Reflection

Evaluate the expression -8 + 3 * (2 - 5) and explain your reasoning.

Hint: Break down the expression step by step.

Evaluate the expression -8 + 3 * (2 - 5) and explain your reasoning.

Hint: Consider the order of operations when evaluating.

Evaluate the expression -8 + 3 * (2 - 5) and explain your reasoning.

Hint: Follow the order of operations carefully.

Create hundreds of practice and test experiences based on the latest learning science.

Visit Studyblaze.io

Integers Worksheet

🔥 **StudyBlaze.io**

Your AI Tutor for interactive quiz, worksheet and flashcard creation.

Which of the following scenarios best illustrates the use of integers in real life? (Select all that apply)

Hint: Think about situations where positive and negative values are used.

☐ A) Calculating temperature changes

☐ B) Measuring the height of a building

☐ C) Tracking bank account balances

☐ D) Determining the speed of a car

Which of the following scenarios best illustrates the use of integers in real life? (Select all that apply)

Hint: Consider practical applications of integers.

☐ A) Calculating temperature changes

☐ B) Measuring the height of a building

☐ C) Tracking bank account balances

☐ D) Determining the speed of a car

Which of the following scenarios best illustrates the use of integers in real life? (Select all that apply)

Hint: Think about situations where positive and negative values are used.

☐ A) Calculating temperature changes

☐ B) Measuring the height of a building

☐ C) Tracking bank account balances

☐ D) Determining the speed of a car

Create a real-world problem that involves adding and subtractting integers, and solve it.

Hint: Think about a scenario that includes both positive and negative values.

Create a real-world problem that involves adding and subtract ing integers, and solve it.

Create hundreds of practice and test experiences based on the latest learning science.

Visit Studyblaze.io

Integers Worksheet

🔥 **StudyBlaze.io**

Your AI Tutor for interactive quiz, worksheet and flashcard creation.

Hint: Think about a scenario that requires both addition and subtraction.

Create a real-world problem that involves adding and subtract ing integers, and solve it.

Hint: Think about a scenario that requires both addition and subtraction.

Create hundreds of practice and test experiences based on the latest learning science.

Visit Studyblaze.io

Integers Worksheet