Integer Operations: Always, Sometimes, Never



Directions: Determine whether each statement is always true, sometimes true, or never true. Then, circle your answer and explain your thinking. Try to come up with examples that are true and examples that are false to help you!

	The product of a negative integer and a positive integer is a negative integer.	2.	The difference of two positive integers is a positive integer.
	always true sometimes true never true		always true sometimes true never true
	The product will always be negative when		The difference will be positive when the first
	multiplying two integers with different signs.		integer is larger, like 10 - 8 = 2. It will be
			negative when the second integer is larger, like
			2-5=-3.
3.	The quotient of two negative integers is a negative integer.	4.	The sum of a positive integer and a negative integer is a positive integer.
	always true sometimes true never true		always true sometimes true never true
	The quotient will always be positive when		The sum will have the same sign as the integer
	dividing two integers with the same sign. It will		with the larger absolute value. It may be
	never be negative.		positive, like $3 + (-1) = 2$, or negative, like
			4 + (-9) = -5.
		6	The subtinut of a positive interest and a
5.	ne difference of two negative integers is a positive integer.	0.	negative integer is a positive integer.
5.	always true sometimes true never true	0.	always true sometimes true never true
5.	Ine difference of two negative integers is a positive integer. always true sometimes true The difference will be positive when the second	0.	always true sometimes true never true The quotient will always be negative when
5.	The difference of two negative integers is a positive integer. always true sometimes true The difference will be positive when the second integer has a larger absolute value, like -2 - (-5)	0.	Inequotient of a positive integer and a negative integer is a positive integer. always true sometimes true The quotient will always be negative when dividing two integers with different signs. It will
5.	The difference of two negative integers is a positive integer. always true sometimes true never true The difference will be positive when the second integer has a larger absolute value, like $-2 - (-5)$ = 3. It will be negative when the first integer has	0.	Inequotient of a positive integer and a negative integer is a positive integer. always true sometimes true The quotient will always be negative when dividing two integers with different signs. It will never be positive.
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