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## MULTIPLYING INTEGERS WORKSHEETS

1)  $(-20) \times (-12) = \underline{\quad}$

2)  $(-2) \times 100 = \underline{\quad}$

3)  $6 \times (-2) \times (-4) = \underline{\quad}$

4)  $(-32) \times 3 \times (-4) \times (-2) = \underline{\quad}$

5) A test has 20 questions. 3 marks are awarded for every correct answer and -1 mark is awarded for every incorrect answer. A student answered 5 questions incorrectly. How many marks did the student score?

6) Verify whether the integers  $a = -7$  and  $b = 12$  satisfy the commutative property of multiplication. i.e., check whether  $a \times b = b \times a$ .

7) The temperature at a certain place lowers by  $3^{\circ}\text{C}$  every hour for 9 hours. If the current temperature is  $22^{\circ}\text{C}$ , then what would be the temperature after 9 hours.



8) Find the product  $(-72) \times 102$ , using suitable property.

**Hint:** Write 102 to be  $100 + 2$  and then apply distributive

property.

9) The multiplicative identity in the set of integers is \_\_\_\_.

10) During a drought, the water supply drops by 3 inches per week. Find an integer that represents the water drop in 5 weeks.



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in an interesting way,  
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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	240
2)	-200
3)	48
4)	-768
5)	40 marks
6)	$a \times b = -84$ ; $b \times a = -84$ . Hence verified.
7)	$-5^{\circ}\text{C}$
8)	-7,344
9)	1
10)	-15

## FUN FACT

1. The multiplicative identity is 1 as every number multiplied by 1 gives the same number as the product.
2. The set of integers is closed, associative, and commutative with respect to multiplication.
3. Except 1 and -1, none of the other integers have their multiplicative inverses in the set of integers.

