

Assignment      Subject: - Mathematics      Class: - VII      Teacher: - Ms. Neeru

Name: \_\_\_\_\_ Class & Sec: \_\_\_\_\_ Roll No. \_\_\_\_\_ Date: 30.03.2020

Topic: Integer Addition

**A** Add.

1.  $47 + 93 =$  \_\_\_\_\_
2.  $-11 + (-86) =$  \_\_\_\_\_
3.  $100 + (-40) =$  \_\_\_\_\_
4.  $-55 + 45 =$  \_\_\_\_\_
5.  $-701 + (-701) =$  \_\_\_\_\_
6.  $1000 + (-2000) =$  \_\_\_\_\_
7.  $|-40| + |-50| =$  \_\_\_\_\_
8.  $|-63| + |27| =$  \_\_\_\_\_

**B** Fill in the blanks.

1. The sum of two integers is always an \_\_\_\_\_
2. Two integers can be added in any order means that addition is \_\_\_\_\_ for integers.
3. The additive identity for an integer is \_\_\_\_\_
4.  $[(-6) + (-5)] +$  \_\_\_\_\_  $= (-6) + [$  \_\_\_\_\_  $+ 1]$
5.  $-555 +$  \_\_\_\_\_  $= -555$

**C** Put  $>$ ,  $<$  or  $=$  in the  $\bigcirc$ .

1.  $37 + 45$   $\bigcirc$   $(-35) + (-45)$
2.  $28 + (-96)$   $\bigcirc$   $(-96) + 28$
3.  $(-63) + (-14)$   $\bigcirc$   $(-63) + 14$
4.  $55 + (-75)$   $\bigcirc$   $(-55) + (-75)$

**D** Answer these questions.

1. Write the integer obtained when the greatest negative integer is added to the smallest positive integer. \_\_\_\_\_
2. In two successive rounds of a quiz, Riya scored 20 and  $-4$  and Rajat scored 17 and  $-2$ . Who scored more? \_\_\_\_\_
3. Simplify  $-75 + 15 + 10$ . \_\_\_\_\_
4. Write the additive inverse of  $-9257$ . \_\_\_\_\_

## Answer Key

## A Add.

1.  $47 + 93 = 140$

2.  $-11 + (-86) = -97$

3.  $100 + (-40) = 60$

4.  $-55 + 45 = -10$

5.  $-701 + (-701) = -1402$

6.  $1000 + (-2000) = -1000$

7.  $|-40| + |-50| = 90$

8.  $|-63| + |27| = -36$

## B Fill in the blanks.

1. The sum of two integers is always an Integer.2. Two integers can be added in any order means that addition is commutative for integers.3. The additive identity for an integer is 0.4.  $[(-6) + (-5)] + 1 = (-6) + [(-5) + 1]$ 5.  $-555 + 0 = -555$ C Put  $>$ ,  $<$  or  $=$  in the  $\bullet$ .

1.  $37 + 45 > (-35) + (-45)$

2.  $28 + (-96) = (-96) + 28$

3.  $(-63) + (-14) < (-63) + 14$

4.  $55 + (-75) > (-55) + (-75)$

## D Answer these questions.

1. Write the integer obtained when the greatest negative integer is added to the smallest positive integer.

$$\begin{aligned} -1 + 1 \\ = 0 \end{aligned}$$

2. In two successive rounds of a quiz, Riya scored 20 and -4 and Rajat scored 17 and -2. Who scored more?

$$\begin{aligned} \text{Riya} \quad 20 + (-4) &= 16 \\ \text{Rajat} \quad 17 + (-2) &= 15 \end{aligned}$$

3. Simplify  $-75 + 15 + 10$ .

$$\underline{-75 + 25 = -50}$$

4. Write the additive inverse of -9257.

$$\underline{9257}$$