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INTEGERS
SUBJECT ASSESSMENT
WORKSHEET–8

Name	Class	Roll No.	Time 40 Min.	Max. Marks 25	Marks Obtained

1. Find the product: $(-20) \times (-2) \times (-5) \times (6)$. (1)

2. What is the sign of the product of three negative integers? Give an example. (1)

3. The sum of two integers is – 52. If the larger integer is –5, then find the smaller one. (2)

4. Write a pair of integers whose sum is – 13 and difference is 3. (2)

5. Fill in the blanks with >, =, or < symbol.
   (*i*) $(-7) \times 12$ ..... $12 \times (-7)$ (1)

   (*ii*) $(7 - 8) \times (-10)$ ..... $(8 - 7) \times (- 0)$ (1)

6. An elevator descends into a mine shaft at the rate of 3 m per minute. If the descent starts from 20 m above the ground level, how long will it take to reach –160 m. (3)

7. Find x in each of the following.
   (*i*) $4 \times [(- 6 + x)] = 4 \times (- 6) + 4 \times 10$

   (*ii*) $(- 36) \times [5 + (- 4)] = (- 36) \times x + (- 36) \times (- 4)$

8. A grocer earns a profit of ₹ 1 by selling one sketch pen and incurs a loss of 40 paise per eraser while selling erasers of old stock. In a particular week, she earns neither profit nor loss. If she sold 40 sketch pens, how many erasers did she sell? (3)

9. Using distributive property, find:
   (*i*) $[2163 \times (-3) + 2163 \times (103)]$ (2)

   (*ii*) $51067 \times 99 - (-51067)$ (2)

10. Simplify the following:
    (*i*) $9 + (15 - 7 - 5) + 6$ (1)

    (*ii*) $25 - 12 \div 6 - 3 \times 8$ (1)

    (*iii*) $9 + \{6 + 5 \times 3 - (9 + 3 - 8 \times 2)\}$ (1)

    (*iv*) $8 + [6 - 3 - \{5 + (2 - 8 \div 2)\}]$ (1)

LIVEWORKSHEETS