MULTIPLICATION AND DIVISION OF INTEGERS   Worksheet

1. Find the product:
   a. $45 \times (-5) = $ _____
   b. $(-16) \times (-8) = $ _____
   c. $12 \times 14 \times 0 = $ _____

2. State the sign of the product without actually multiplying:
   a. $(-2) \times 5 \times (-1) \times (-5)$: _____
   b. $(-10) \times 4 \times 16 \times (-2)$: _____
   c. 4 positive integers x 4 negative integers:

3. Multiply:
   a. $(6 + 10) \times [4 + (-5)] = $ _____
   b. $[6 - 6] \times [15 + 12] = $ _____
   c. $[(-2) + (-5)] \times [4 - 6] = $ _____

4. Divide:
   a. $-96 \div 12 = $ _____
   b. $176 \div (-4) = $ _____
   c. $-180 \div (-9) = $ _____

5. Write all the integers that are greater than −10 and less than 2.

6. Write all the integers between 20 and 40 that are divisible by 3.

7. Write in mathematical form employing BDMAS rule:
   Ten subtracted from the quotient of twenty divided by four.
   Negative two multiplied by negative three is added to sixteen divided by negative eight.

8. Write the product of all the integers from −2 to −5, including these two integers.

9. Simplify:
   a. $-5 \times 3 + (-3) - 2 = $ _____
   b. $4 + [(6 \div 2) \times \overline{8 + 2}] - 10 = $ _____
   c. $50 - \{-5 + [5 \div \overline{(-1) - 4}]\} \times 10 = $ _____

10. Find the product and write two division statements each:
    a. $6 \times (-7) = $ _____
    b. $-5 \times (-16) = $ _____

11. There were two groups of five boys each. In Group A, each boy had ₹10. In Group B, each boy had two rupees less than each boy of Group A. What is the total amount of money that Group B had? _____

12. In a hill station, the temperature on Monday was 0°C. On Tuesday, it was 5 degrees less than the previous day. On Wednesday, it was 3 degrees more than Tuesday's temperature. What is the temperature on Wednesday? _____