ZERO PERIOD
We Believe in Learning

1. Write down a pair of integers whose
   (a) sum is -6   (b) difference is -8   (c) difference is 3   (d) sum is 0

2. Write a negative integer and a positive integer whose
   (a) sum is -9   (b) difference is -4

3. Find the value of each of the following product:
   (i) $(-3) \times (-2) \times 7$ (ii) $(-23) \times (-31)$ (iii) $2 \times (-3) \times (-1) \times (-5)$

4. Find the value of each of the following:
   (a) $(-144) \div (-12)$ (b) $(-49) \div [(-48) + (-1)]$
   (c) $[(-10) + 5 \div [20 + (-15)]$

5. Verify the following:
   (i) $(-25) \times [(-7) + (-15)] = [(-25) \times (-7)] + [(-25) \times (-15)]$
   (ii) $-7 \times [(-8) + 9 = [(-7) \times (-8)] + [(-7) \times 9]$

6. The temperature at a place rises from $-20°C$ to $20°C$. What is the rise in temperature?

7. A place P is 82m above sea level and another place is 13 m below sea level. What is the difference between the two places?

8. Solve the following:
   (i) (-15) × 8 + (-15) × 4
   (ii) [32 + 2 × 17 + (-6)] ÷ 15

9. Use > or < or = symbols in each of the following:
   (a) (- 3) – (- 5) _____ (- 4) + (- 9)
   (b) 23 + (- 8) – 7 _____ 9 – 13 + 12
   (c) 39 + (- 35) – (58) _____ 37 + (-11) – (26)

10. You have ₹ 5000 in your saving account at the beginning of the month. The record below shows all of your transactions during the month. How much money is in your account after these transactions?

Date	Transaction	Cheque No	Payment	Deposit
13-05-22	To RSD publication	254689	₹1200	-
14-05-22	Deposit	125689		₹2000
16-05-22	To Airtel	457893	₹2400	-
20-05-22	Deposit	789456	-	₹1500