



Subject: Mathematics

Worksheet # 1 MCQs and Word Problems

Class: 6 A

Name: _____ Admission # _____

Encircle the correct option.

1. Which of these is NOT an integer?

- A) -5 B) 0 C) 2.5 D) 100

2. The additive inverse of -12 is

- A) 12 B) -12 C) 0 D) 1

3. $(-8) + 15 =$

- A) -23 B) 7 C) -7 D) 23

4. The smallest negative integer is

- A) -1 B) -10 C) Does not exist D) -1000

5. Which is greater: -15 or -5?

- A) -15 B) -5 C) Both equal D) Cannot say

6. $(-6) \times (-4) =$

- A) -24 B) 24 C) -10 D) 10

7. $45 \div (-9) =$

- A) 5 B) -5 C) 36 D) -36

8. Sum of first 5 negative integers is

- A) -15 B) 15 C) -10 D) 10

9. If temperature is -3°C and rises by 8°C , new temperature is

- A) -11°C B) 5°C C) -5°C D) 11°C

10. Which pair has sum = 0?

- A) 5, -3 B) -7, 7 C) 0, 0 D) Both B and C

Word Problems

1. Integers - Temperature

Q: At 6 AM the temperature in Lahore was -4°C . By 2 PM it rose by 13°C , but at midnight it fell by 9°C . What was the temperature at midnight?

Solution:

2. Factors & Multiples - Chocolates

Q: A teacher has 48 chocolates. She wants to divide them equally among students with NO chocolates left. If there are more than 6 but less than 15 students, how many students can be in the class?

Solution:

3. Simplification - BODMAS

Q: Ali bought 3 notebooks for Rs 45 each, 2 pens for Rs 15 each, and paid Rs 20 for a pencil box. He gave the shopkeeper Rs 200. How much money did he get back?

Solution:

4. Sets - Fruits

Q: In Class 6A, Set A = {students who like mango} = {Ahmed, Sara, Bilal, Noor}

Set B = {students who like apple} = {Sara, Zain, Noor, Fatima}

Draw Venn Diagram

B is subset of A

Solution:

5. Natural & Whole Numbers

Q: The sum of a natural number and its successor is 37. Find the number. Is it also a whole number? Why?

Solution: