DAV PUBLIC SCHOOL, POKHARIPUT
SUBJECT-MATHEMATICS, CLASS-VI
CHAPTER-3 (INTEGERS)
WORKSHEET (BASIC)

TIME -45 Min **MAX. MARKS: 20**

Very short answer type question (4×1=4)

1. Write the predecessor of -215?
2. How many integers are there between -5 and 5?
3. Indicate using integers.
   a) 200 BC b) 50 km above sea level
4. What power of (-5) is -125?

Short answer type question-I (3×2=6)

5. Write the following integers in the decreasing order -365, -515, 102, 413, -7
6. Find the value of (-70) x (10-5-22-83)
7. Find the value of |-7| + (-6) + |3|

Short answer type question-II (2×3=6)

8. Find the value of $(-3)^3 \times 5^2 \times (-4)^2 \times (-1)^3$
9. In a quiz competition there were 30 questions.4 marks are allotted to every correct answer and -2 for every wrong answer. Reema attempted 28 questions out of which 10 answers were wrong. Find the total marks secured by Reema.

Long answer type question (1×4=4)

10. Subtract the sum of 786 and -554 from the difference of -234 and -657. Write the absolute value of the result obtained.

DAV PUBLIC SCHOOL, POKHARIPUT
SUBJECT-MATHEMATICS, CLASS-VI
CHAPTER-3 (INTEGERS)
WORKSHEET (STANDARD)

TIME -45 Min **MAX. MARKS: 20**

Very short answer type question (4×1=4)

1. Write the integer which when multiplied by (–1) gives 74.
2. What is the successor of the greatest negative integer?
3. Compute $(-1)^{78}$
4. What will be the sign of the product of 7 negative and 3 positive integers?

Short answer type question-I (3×2=6)

5. Using the number line, represent the integer which is 2 less than -3.
6. Simplify: (-400) + 781 + (-1400) + (-81) +300
7. Find the value of |(-30) – (-7)|

Short answer type question-II (2×3=6)

8. Compare : $18 \times (-3) + 21$ and $18 \times [(-3) + 21]$
9. A man travelled 30 km east of a place A and reached B. From B he travelled 60 km west of B and reached C. Find the distance of C from A?

Long answer type question (1×4=4)

10. Using distributive property, simplify:

$$2231 \times 25 \times 6 - 2231 \times 10 \times 15$$

DAV PUBLIC SCHOOL, POKHARIPUT
SUBJECT-MATHEMATICS, CLASS-VI
CHAPTER-3 (INTEGERS)
WORKSHEET (ADVANCE)

TIME -45 Min **MAX. MARKS: 20**

Very short answer type question (4×1=4)

1. Find the sum of greatest negative integer and smallest positive integer.
2. Which integer added to (-4) will give the integer 5?
3. Write the additive inverse of |-(-5)|.
4. In which direction should we move from -6 to reach -1?

Short answer type question-I (3×2=6)

5. Sum of two integers is 48. If one of them is -25, find the other?
6. The sum of two negative integers is always a negative integer. Comment and justify your answer with an example.
7. Calculate : 1-2+3-4+5-6+7-8+….+19-20

Short answer type question-II (2×3=6)

8. Simplify and write the absolute value of the result obtained: [-13-(17)]+[-22-(-40)]
9. Calculate the sum: 2+ (-2) +2+ (-2) + (2) + (-2)….
   i. If the number of terms is 140 ii. If the number of terms is 125.

Long answer type question (1×4=4)

10. A flower seller gains Rs.5 per red rose sold and gets a loss of Rs. 2 per yellow rose sold. a) If the flower seller sells 250 red roses and 320 yellow roses per day, find the gain or loss (per day).
    b) If the number of roses sold is 12, how many yellow roses should he sell to have neither gain nor loss?

DAV PUBLIC SCHOOL, POKHARIPUT
SUBJECT-MATHEMATICS, CLASS-VI
CHAPTER-3 (INTEGERS)
WORKSHEET (HOTS)

1. Write the next two numbers in the pattern: -62, -37, -12, ……..
2. If Δ is an operation such that for integers a and b we have aΔ b= a x b – 2 x a x b + b x b , find (-7) Δ (-1)
3. Write a pair of integers whose product is -12 and there lies seven integers between them (excluding the given integers).
4. Evaluate using distributive property: 53 × (-9) – (-109) ×53
5. Write all the integers between -8 and -15. (write them in ascending order)
6. A car travelled 60 km to the north of Patna and then 90 km to the south from there. How far from Patna was the car finally?
7. Verify : $13^2 - 12^2 = 5^2$
8. In a test, +3 marks are given for every correct answer and -1mark is given for every wrong answer. Sona attempted all the questions and scored 20 marks though she got 10 correct answers.
   a) How many incorrect answer has she attempted?
   b) How many questions were given in the test?
9. Taking today as zero on the number line, if the day before yesterday is 17 January, what is the date 3 days after tomorrow?
10. Water level in a well was 20m below ground level. During rainy season, rain water collected in different water tanks was drained into the well and water level rises 5m above the previous level. The wall of the well is 1m 20 cm high and a pulley affixed at a height of 80 cm. Raghu wants to

draw water from the well. Determine the minimum length of the rope he can use to take out water.

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