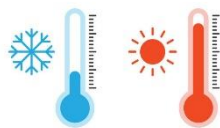


INDIAN SCHOOL AL WADI AL KABIR
Class VII, Mathematics
WORKSHEET (2025-26)
INTEGERS

Multiple Choice Questions

Q.1.	$(-98 \div 7) + 5$ is:							
	A	-9	B	-8	C	9	D	10
Q.2.	The product of $(-25) \times (-10) \times (-4)$ is:							
	A	2000	B	-2000	C	-1000	D	+1000
Q.3.	_____ $\times 153 = -153$							
	A	0	B	-1	C	+1	D	10
Q.4.	$85 \div [(-2) + (-3)]$ is equal to							
	A	-5	B	-17	C	-10	D	+17
Q.5.	Find the integer whose product with -2 is -50.							
	A	-10	B	-50	C	-25	D	+25
Q.6.	The additive inverse of $[(-6 + 42) \div (-12)]$ is:							
	A	-3	B	+3	C	-5	D	+5
Q.7.	Which is the greatest in the given option?							
	A	$(-10 + 20)$	B	(-25×5)	C	$(-75) \div (-25)$	D	$[-20 - (-10)]$
Q.8.	Which property is reflected in the following: $(-400) + 300 = 300 + (-400)$							
	A	Closure	B	Commutative	C	Associative	D	Distributive
Q.9	What is the difference between the greatest two-digit positive number and the smallest three-digit negative number?							
	A	100	B	199	C	200	D	1999
Q.10.	The sum of two integers is always:							
	A	An integer	B	A whole number	C	A fractional number	D	None of these

	LONG ANSWER QUESTIONS:											
Q.11	Find the following product by suitable rearrangements: a. $8 \times (-35) \times (-5)$ b. $625 \times (-172) \times (-16)$											
Q.12	A cat is sitting on the 2nd step of a staircase. It jumps up by 8 steps and then comes down by 5 steps. On which step does the cat end up?											
Q.13	A bird is flying 30 m above sea level. If the ocean below is 50 m deep, find the vertical distance between the bird and the ocean floor.											
Q.14	Evaluate: (i) $[(-256) \div 4] \div (-2)$ (ii) $[(-135) \div (-45)] + (-24)$ (iii) $197 \div [(-2) + 1]$ (iv) $[(-36) + (-6)] \div [(-3) + 5]$											
Q.15	Fill in the blanks to make the following statements true: a. $34 + \underline{\hspace{1cm}} = 0$ b. $-142 + 311 = 311 + \underline{\hspace{1cm}}$ c. $-256 + \underline{\hspace{1cm}} = -256$ d. $[23 + (-14)] + (-32) = 23 + [(-14) + \underline{\hspace{1cm}}]$											
Q.16	The table given below shows the elevations relative to sea level of four locations. Taking sea level as zero, answer the following questions: <table data-bbox="232 1404 649 1856"><tr><th>Location</th><th>Elevation in m</th></tr><tr><td>A</td><td>-250</td></tr><tr><td>B</td><td>1720</td></tr><tr><td>C</td><td>-525</td></tr><tr><td>D</td><td>2500</td></tr></table> (a) Which location is closest to sea level? (b) Which location is farthest from sea level? (c) Arrange the locations from the least to the greatest elevation.		Location	Elevation in m	A	-250	B	1720	C	-525	D	2500
Location	Elevation in m											
A	-250											
B	1720											
C	-525											
D	2500											

Q.17	Verify the following: a. $(-34) \times [(-3) + (-5)] = [(-34) \times (-3)] + [(-34) \times (-5)]$ b. $(-15) \times [(3) - (-8)] = [(-15) \times (3)] - [(-15) \times (-8)]$
Q.18	A deep-sea explorer is at a depth of 25 m below the ocean surface. He ascends 10 m, then descends 18 m, and finally rises 12 m. What is his current depth?
Q.19	The temperature at 10 AM is 18°C above zero. It decreases by 3°C per hour. a. At what time will the temperature reach -6°C? b. what is the temperature at 4 PM? c. What is the temperature at 5 PM? d. At what time will the temperature reach -9°C? 
Q.20.	<u>CASE STUDY-1:</u> Two friends, Rahul and Meera, are in a 50-floor building. Rahul starts from the 45th floor and descends at 3 floors per minute. Meera starts from the 12th floor and ascends at 2 floors per minute. Based on the above situation, answer the following questions: a. After 15 minutes, what floor will each of them be on? b. How much time will Rahul take to reach the 21th floor? c. After 8 minutes, what floor will each of them be on? 
