INDIAN SCHOOL AL WADI AL KABIR
Class VI, MATHEMATICS
THE OTHER SIDE OF ZERO
WORKSHEET 1 (2025-26)

Multiple Choice Questions

Q.1	What is the sum of -255 and $+555$?							
	A	-810	B	$+300$	C	-300	D	810

Q.2	The predecessor of the integer -1 is:							
	A	0	B	2	C	-2	D	1

Q.3	$(-287) - (-85) =$							
	A	-202	B	-342	C	-200	D	202

Q.4	If the temperature drops from 6^0C to -3^0C, what is the difference in temperature?							
	A	8^0C	B	-9^0C	C	9^0C	D	-3^0C

Q.5	If you start at Floor -1 and press the negative button twice in a lift, where will you be?							
	A	Floor -3	B	Floor -2		Floor -4	D	Floor 0

Q.6	Which of the following is the correct subtraction of $+4$ from -3							
	A	$+7$	B	-7	C	$+1$	D	-1

Q.7	The successor of the predecessor of -20 is:							
	A	-20	B	-10	C	-19	D	-21

Q.8	What is the additive inverse of -8?							
	A	$+9$	B	-8	C	$+8$	D	0

Q.9	Total number of integers lying between -2 and 2 is:							
	A	3	B	4	C	2	D	1

Q.10	$(+5) + (-3) + (-2) =$							
	A	-4	B	-2	C	$+6$	D	0

Long Answer Questions

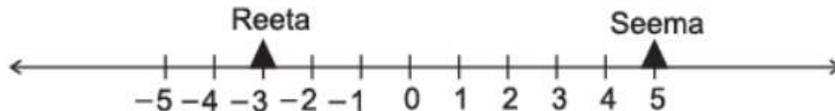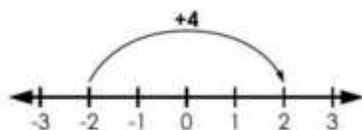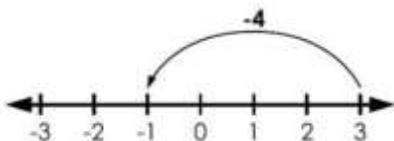|	
Q.11	Write the next four consecutive negative integers that are less than −15.
Q.12	Insert proper sign (< or >) in the box: (i) −5 □ −2 (ii) 3 □ −4 (iii) 0 □ −6 (iv) −7 □ +7
Q.13	Solve: (i) $(-255) + (-155)$ (ii) $(-255) - (+155)$ (iii) $(-155) - (+255) + (+155) - (-255)$
Q.14	A lift in a building starts at the 7th floor. (i) The lift moves down 5 floors. What floor does it reach? (ii) From that floor, the lift moves up 3 floors. Where is the lift now? (iii) Finally, the lift moves down 5 floors. What floor does it stop at?
Q.15	The figure below shows a number line with Reeta and Seema marked at different positions. Based on the number line, answer the following questions: (i) What is the distance between Reeta and Seema? (ii) If Reeta moves 4 units to the right, what will be her new position? (iii) If both Reeta and Seema start walking towards zero at the same speed, who will reach zero first?
Q.16	Represent the following calculations on a number line. (i) $(-2) + (+4)$ (ii) $3 + (-4)$ (iii) $4 + (-5)$ (iv) $(-2) + (+2)$
Q.17	**Case Study:** Reeta, John and Ayaan are playing an "Integers BINGO" game in their mathematics class. **INTEGER BINGO!** 						 |---|---|---|---|---|---| 	Row 1	-15	-4	-16	4	13	 	Row 2	-1	-8	-3	-17	-13	 	Row 3	-9	-14		-12	-11	 	Row 4	12	-24	27	-64	60	 	Row 5	-16	-5	8	-2	-25	 (i) From the BINGO card shown above, Reeta chooses two integers whose sum is −15. Find one pair of such integers. (ii) One number is missing in the third row. John adds a number in the free space to make the sum zero in Row 3. Find the number. (iii) Ayaan added all five numbers in a row from the given Bingo card and found −40. Which Row did Ayaan choose?

ANSWER KEY

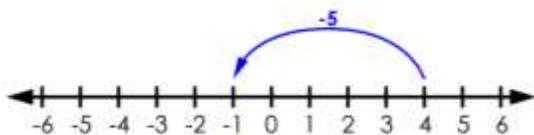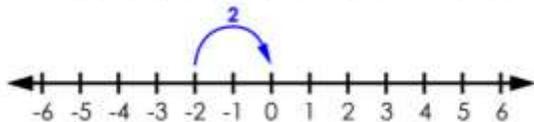| Q1	B	Q2	C	Q3	A	Q4	C
Q5	A	Q6	B	Q7	A	Q8	C
Q9	A	Q10	D	Q11	$-16, -17, -18, -19$	Q12	(i) $-5 < -2$ (ii) $3 > -4$ (iii) $0 > -6$ (iv) $-7 < +7$
Q13	(i) -410 (ii) -410 (iii) 0	Q14	(i) Floor 2 (ii) Floor 5 (iii) Floor 0 (Ground floor)	Q15	(i) 8 units (ii) At 1 (iii) Reeta		

Q16		Q17	(i) $-13 \& -2$ (ii) -46 (iii) Raw 5

$-2 + 4 = \underline{\textbf{2}}$

$3 + (-4) = \underline{\textbf{-1}}$

$4 + (-5) = \underline{\textbf{-1}}$

$-2 + 2 = \underline{\textbf{0}}$