

INDIAN SCHOOL AL WADI AL KABIR

Class VII, Mathematics

WORKSHEET (MCQ) – INTEGERS

Multiple Choice questions

Q.1.	$(-4) \times (-3) \times (-2) = \underline{\hspace{2cm}}$.						
A	24	B	9	C	-24	D	-9
Q.2.	A pair of integers whose sum is -3 is						
A	$(-4,1)$	B	$(-1,4)$	C	$(-1,-4)$	D	$(2,-4)$
Q.3.	Evaluate $0 \div (-18)$						
A	-18	B	not defined	C	0	D	18
Q.4.	The product of $(-1) \times (-5) \times (-4) \times (-6)$ is						
A	120	B	102	C	-120	D	none of these
Q.5.	Which of the following is not true						
A	$-25 \div 5 = -5$	B	$0 \div 2 = 0$	C	$4 \div 1 = 4$	D	$12 \div 0 = 0$
Q.6.	Which property is reflected in the following: $7 \times 5 = 5 \times 7$						
A	Closure	B	Commutative	C	Associative	D	Distributive
Q.7.	Which of the following statement is false?						
A	$-5 + 1 = 4$	B	$2 + (-1) = 1$	C	$-7 + (-6) = (-13)$	D	$8 + (-9) = -1$
Q8.	$15 \div [(-2) + 1]$ is equal to						
A	15	B	-15	C	-5	D	5
Q9	What number is being represented by points A and B respectively on the number line:						
A	3 and 2	B	2 and 3	C	$(-3) \text{ and } (-2)$	D	3 and (-2)

Q10	Which of the following does not represent pair of integer (a, b) such that $a \div b = 2$						
A	(-6, -3)	B	(-10, -5)	C	(-2, 1)	D	(8, 4)
<p>Source based question:</p> <p>Integers are whole numbers that can be positive, negative, or zero. Positive integers are greater than zero while negative integers are less than zero. Integers help us handle situations with numbers below zero like temperatures, money owed, and temperatures above or below sea level. They are important for understanding values in both math and real world.</p> <div style="text-align: center;"> <pre> graph TD Integers[Integers] --> Negative[Negative Numbers (-4, -3, -2...)] Integers --> Whole[Whole Numbers] Whole --> Zero[Zero (0)] Whole --> Natural[Natural Numbers (1, 2, 3...)] </pre> </div>							
Q11	$(-10) \times (-5) + (-7)$ is equal to						
A	-57	B	57	C	-43	D	43
Q12	Which of the following pairs of integers have 5 as difference						
A	10,5	B	-10, -5	C	<i>Both A and B</i>	D	15, -20
Q13	On the following number line value 'Zero' is shown by the point:						
A	Z	B	Y	C	X	D	W
Q14	$(-15) \times [(-7) + (-1)]$ gives _____.						
A	-120	B	120	C	90	D	-90
Q15	Which of the following statements is FALSE?						
A	Any integer divided by zero is not defined.	B	The multiplicative identity for integers is 1	C	The product of 16 negative integers is a negative integer.	D	(-1) multiplied by itself for 200 times will give 1.


Q16

CASE STUDY:

A funfair has activities for both children and adults. Activities can have group or pair or individual participation. The winner in an activity is decided on the basis of scores. For some activities there are penalties. Penalty points are subtracted from the scores.



The table below shows the details about one of the games and its scoring.

Game Name	Participation	Activity	Scoring/Penalty
Car Racing 	Individual	Cars to race on a 4 metre wide, 1 kilometre long circular track. Flags are posted at an interval of 150 metres, on the track. Participants have to avoid the flags during the race.	Score points The participant who reaches the finish line in the least amount of time gets 60 points 10 points are awarded for avoiding a flag. Penalty points 10 points are deducted for knocking a flag down.

- (I) Rohan and Samar compete in the car race. If Rohan’s car knocked down five flags and Samar’s car knocked down one flag, how many points did Rohan and Samar lose by striking the flag?
- (II) If Rohan reached the finish line faster than Samar. Who is the winner and how many points did he score?
- (III) If the sum of two integers is 30. If one of the integer is -42, then find the other.

ANSWERS

1.	C	2.	A	3.	C	4.	A
5.	D	6.	B	7.	A	8.	B
9.	D	10.	C	11.	D	12.	C
13.	A	14.	B	15.	C	16.	I)Rohan- 50 points Samar-10points II)Samar, 50points (60-10) III)72