INDIAN SCHOOL AL WADI AL KABIR
Class VII, Mathematics **(2026-27)**
OPERATIONS WITH INTEGERS
MCQ WORKSHEET

Multiple Choice Questions

Q.1	A freezing chamber starts at 15°C. Its temperature decreases by 5°C every hour. Find its temperature after 7 hours.							
	A	$-35°C$	**B**	$-20°C$	**C**	$10°C$	**D**	$-15°C$
Q.2	If the sum of two integers is (-18) and their difference is (-14), then the integers are:							
	A	$-16, -2$	**B**	$-20,2$	**C**	$-14, -4$	**D**	$-9, -9$
Q.3	Given that $(-123) \times 302 = -37146$, then the value of $(-123) \times (-302)$ is:							
	A	-37146	**B**	-37164	**C**	37146	**D**	-73146
Q.4	The product of a fortune and a debt is:							
	A	Fortune	**B**	Debt	**C**	Zero	**D**	Positive integers
Q.5	Evaluate the expression: $(-20 + 4) \div (-4) - (-3) \times 2$							
	A	-2	**B**	-10	**C**	14	**D**	10
Q.6	A shopkeeper earns a profit of ₹12 on each school bag sold and incurs a loss of ₹6 on each lunch box sold. In a month, he sells 400 school bags and 300 lunch boxes. Find his overall profit or loss.							
	A	₹2,400 profit	**B**	₹2,400 loss	**C**	₹3000 profit	**D**	₹3000 loss
Q.7	Which of the following results in a negative integer?							
	A	$-7 + 14 \div -7$	**B**	$-5 \times 6 \div -3$	**C**	$-81 \div -9$	**D**	$-4 \times 3 \div -6$
Q.8	The property used in computation of $(-25) \times 8 = 8 \times (-25)$ is:							
	A	Closure	**B**	Associative	**C**	Commutative	**D**	Additive Inverse
Q.9	In a mathematics quiz, 6 points are awarded for each correct answer and 3 points are deducted for each wrong answer. Find the total score for 10 correct answers and 5 wrong answers.							
	A	30 points	**B**	45 points	**C**	25 points	**D**	60 points

Q.10	The product of two integers is −405. If one of the integers is 9, then the other is:							
	A	40	**B**	45	**C**	−45	**D**	−35
Q.11	−100 ÷ [(7) + (−2)] is equal to							
	A	−20	**B**	20	**C**	−10	**D**	−12.28
Q.12	A refrigerator cools a drink by 4^0C every 15 minutes. If the drink starts at 28^0C, what will its temperature be after 1 hour?							
	A	−15°C	**B**	−20°C	**C**	10°C	**D**	12°C
Q.13	The property used in computation of $(-8 \times 2) \times -5 = -8 \times (2 \times -5)$ is:							
	A	Closure	**B**	Associative	**C**	Commutative	**D**	Distributive
Q.14	During winter, the temperature drops by 4°C every hour. If the temperature is initially 18°C, what will it be after 5 hours?							
	A	−5°C	**B**	−2°C	**C**	10°C	**D**	4°C

Q.15 **Case study:**

A research team is exploring the deep ocean using a submarine to study marine life and underwater rock formations. During the mission, the submarine descends at a rate of 8 metres per minute for 6 minutes to explore the ocean floor. After completing its observations, it ascends at a rate of 5 metres per minute for 4 minutes to reach a safer depth. The team records these movements using integers to monitor the submarine's change in position.



Answer the following questions:

(a) Calculate the total downward movement of the submarine.

(b) Find the total upward movement of the submarine.

(c) Given that (– 325) × 864 = –280800, find the values of:

(i) (– 324) × 864

(ii) (– 325) × 863

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ANSWERS

1.	B	**2.**	A	**3.**	C	**4.**	B
5.	D	**6.**	C	**7.**	A	**8.**	C
9.	B	**10.**	C	**11.**	A	**12.**	D
13.	B	**14.**	B	**15.**	(a) 48m downward (b) 20m upward (c) (i) –279936 (ii) –280475		