



I B Patel English School (Primary)

2020 - 2021

Class – 7

WORKSHEET

Subject – Mathematics

INTEGERS

Q1. (a) Use the sign of $<$, $>$ or $=$ in the blank to make the following statements true:

(With method)

1. $30 + (-10)$ _____ $(-15) + (-5)$
2. $(-8) + (-7)$ _____ $(-10) + (-5)$
3. $(-20) - (-10)$ _____ $30 + (-5)$
4. $(-6) - 15$ _____ $(-20) - 30$
5. $(-321) + 92 + 15$ _____ $(-223) + 105 + 18$

(b) Fill in the blanks to make the following statements true: (Without method)

1. $(-8) + (-6) = (-6) +$ _____
2. $15 +$ _____ $= 0$
3. $(-6) \times$ _____ $= (-30)$
4. $(-10) \times$ _____ $= 100$
5. $(-24) \div 2 =$ _____

Q2. (a) Solve the following:

1. $50 - (-50)$
2. $0 - (-30)$
3. $4 \times (-2) \times (-7)$
4. $(-15) \times (-6) \times (-2)$
5. $(-2) \times (-1) \times (-3) \times (-4)$
6. $(-17) \div [18 - 1]$
7. $[(-7) + (-3)] \div [1 + (-2)]$
8. $[(-3) + 18] \div [(-2) + (-3)]$

(b) State whether the following statements are true or false:

1. (-18) is a greater integer than (-8) .
2. On number line (-10) lies on the right side of (-2) .
3. (-10) is a smaller integer than 0 .
4. Product of x and 0 is 0 .
5. 0 is an integer between (-1) and 1 .

Q3. (a) Find the product using suitable properties:

1. $8 \times 73 \times (-125)$
2. $35 \times (-25) \times (-4) \times (-20)$
3. 45×104
4. $805 \times 35 + 805 \times 65$
5. $(-59) \times (-19) + 59$

(b) Verify the following:

1. $12 \times [4 + (-3)] = (12 \times 4) + [12 \times (-3)]$
2. $(-20) \times [(-7) + (-3)] = [(-20) \times (-7)] + [(-20) \times (-3)]$

Q4. A certain freezing process requires the room temperature lowered from 42°C at the rate of 4°C every hour. What will be the room temperature 15 hours after the process begins?

Q5. Verify $a - (-b) = a + b$ for the following values of a and b :

1. $a = 237, b = (-1)$
2. $a = (-35), b = 20$

Q6. Match the list:

	Section 'A'		Section 'B'
(1)	$(-8) + (-8)$	(a)	16
(2)	$(-8) \times (-8)$	(b)	0
(3)	$(-8) + 8$	(c)	(-1)
(4)	$8 + 8$	(d)	64
(5)	$(-8) \div (-8)$	(e)	(-16)
(6)	$(-8) \div 8$	(f)	1

Q7. The temperature at 12 noon was 16°C above zero. If it decreases at the rate of 2°C per hour until midnight, then

- (1) At what time would the temperature be 10°C Below zero?
- (2) What would be the temperature at midnight?