

**Class: 7**  
**Subject: Mathematics**  
**Topic: Integers**  
**No. of Questions: 20**  
**Duration: 60 Min**  
**Maximum Marks: 60**

**Q1.** For any three integers  $a$ ,  $b$  and  $c$ ,  $(a \times b) \times c =$  \_\_\_\_\_.

- A. None of these
- B.  $a \times (b - c)$
- C.  $a \times (b + c)$
- D.  $a \times (b \times c)$

**Sol: D** (Distributive law)

**Q2.** Find:  $80 \div (-5)$

- A. 15
- B. -16
- C. 14
- D. 16

**Sol: B**

**Q3.** Find:  $64 \div (-(-16))$

- A. 5
- B. 4
- C. -4
- D. 45

**Sol: B** (- OF - 16 is + 16)

**Q4.** Suppose we represent the distance above the ground by a positive integer and that below the negative integer. If a particle begins to descend from 15 m above the ground at the rate of 5m / min, w position after 45 minutes?

- A. 210 m below
- B. 210 m above
- C. 300 m above
- D. 300 m below

**Sol: A** (Total descended distance is  $45 \times 5 = 225$   
Position will be  $15 - 225 = -210$  i.e. 210 below the ground)

**Q5.** When two positive integers are added we get a \_\_\_\_\_ integer.

- A. positive
- B. similar
- C. negative
- D. None of these

**Sol: A** (Sum of 2 positive integers is always positive)

**Q6.** At Shimla temperature was  $-5^{\circ}\text{C}$  on Monday and then it dropped by  $2^{\circ}\text{C}$  on Tuesday. What was the temperature of Shimla on Tuesday?

- A.  $7^{\circ}\text{C}$
- B.  $3^{\circ}\text{C}$
- C.  $-3^{\circ}\text{C}$
- D.  $-7^{\circ}\text{C}$

**Sol: D** ( $-5 - 2 = -7$ )

**Q7.**  $(-4) \times (-3) \times (-2) =$  \_\_\_\_\_

- A. 24
- B. -9
- C. -24
- D. 9

**Sol: C**

**Q8.** On a number line when we add a \_\_\_\_\_ integer, we move to the right.

- A. None of these
- B. negative
- C. similar
- D. positive

**Sol: D** (When you add something positive you will proceed to the right of no line)

**Q9.** The additive inverse of any integer  $a$  is \_\_\_\_\_.

- A. 0
- B.  $-a$
- C.  $a$
- D. None of these

**Sol: B** (if  $x + y = 0$  then  $x$  is additive inverse of  $y$  and vice versa)

**Q10.** For any two integers  $a$  and  $b$ ,  $a + b$  is an \_\_\_\_\_.

- A. None of these
- B. integer
- C. natural number
- D. whole number

**Sol: B** (Sum, difference or product of two integers is always an integer)

**Q11.** What is the absolute value of  $|-2|$ ?

- A. 2
- B.  $-12$
- C.  $-2$
- D. None of these

**Sol: A**

**Q12.** What is the absolute value of  $|8|$ ?

- A. 8
- B. 0
- C. 2
- D.  $-8$

**Sol: A**

**Q13.** Find a number that is 5 more than -1.

- A. 6
- B. 5
- C. 3
- D. 4

**Sol: D** ( $-1 + 5 = -4$ )

**Q14.** Find a number that is 4 less than 0.

- A. -3
- B. 6
- C. 4
- D. -4

**Sol: D** ( $0 - 4 = -4$ )

**Q15.** Find a number that is 100 more than -90.

- A. 6
- B. 5
- C. 10
- D. -10

**Sol: C** ( $-90 + 100 = 10$ )

**Q16.** Continue the number sequence: -80, -75, -70, \_\_\_\_

- A. -60
- B. -75
- C. -85
- D. -65

**Sol: D** (Five is subtracted from previous no to form the new no)

**Q17.** Continue the number sequence: 6, 3, 0, \_\_\_\_

- A. -8
- B. -3
- C. -6
- D. -7

**Sol: B** (3 IS SUBTRACTED FROM EVERY NO TO GET THE NEXT NO)

**Q18.**  $-30 + 20 =$  \_\_\_\_

- A. 10
- B. 50
- C. -10
- D. -50

**Sol: C**

**Q19.** A certain freezing process requires that room temperature be lowered from  $40^{\circ}\text{C}$  at the rate of  $5^{\circ}\text{C}$  every hour. What will be the room temperature 10 hours after the process begins?

- A.  $10^{\circ}\text{C}$
- B.  $-10^{\circ}\text{C}$
- C.  $-20^{\circ}\text{C}$
- D.  $20^{\circ}\text{C}$

**Sol: B** (IN 10 hours, temp drop will be  $5*10= 50$  c, but the starting temp was 40 so  $40 - 50 = - 10$ )

**Q20.**  $-4$  \_\_\_\_  $3$

- A. None of these
- B.  $<$
- C.  $>$
- D.  $=$

**Sol: B**