

WORK SHEET
SUBJECT- MATHS
Chapter-6: Integers

CLASS- VI

Date: 04.09.14

Q1. Write 3 negative integers greater than (-9).

Q2. Write the following integers in descending order:

-99, -990, -777, -567, -345, -354

Q3. In each of the following pairs, which integer is to the left of the other on the number line?

a) -13, -26 b) -9, 18 c) -29, -13 d) -100, -67

Q4. Fill in the blanks with appropriate symbol ">" or "<"

a) -9 -19 b) -7 -12 c) 0 -10 d) -2 1

Q5. Use a number line to add the following integers:

a) $10 + (-6)$ b) $(-10) + 7$ c) $(-2) + (-9)$ d) $0 + (-6)$ e) $(-2) + (-5) + 4$

Q6. Evaluate each:

a) $200 + (-566) - (-240)$ b) $(-456) - (-786) + 876$ c) $(-765) - 987 + (-435)$

d) $(-23) + 13 - 17 + (-67)$ e) $54 - (-45) + (-12) + 0$

Q7. Using a number line, write the integer which is:

a) 5 more than 1 b) 6 more than (-6) c) 7 less than 3 d) 4 less than (-1)

Q8. Fill in the blanks:

a) $(-7) + \dots = 0$

b) $(-3) + \dots = (-13)$

c) Successor of (-435) =

d) Predecessor of (-7687) =

e) Greatest negative integer lying between (-7) and 4 is

f) The additive inverse of (-367) is

g) The least positive integer is

h) Every positive integer is than every negative integer.

i) An integer which is neither positive nor negative is

j) The sum of an integer and its additive inverse is always

Q9. Subtract:

- a) 15 from -20
- b) 247 from 196
- c) -149 from 519

Q10. Add -78 to the difference of -56 and -89.

Q11. True or false:

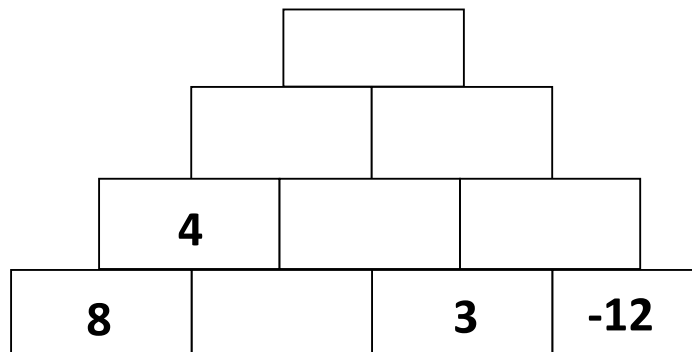
- a) Every natural number is also an integer.
- b) Amongst the positive integers, 1 is the largest.
- c) On a number line, every positive integer lies to the right of negative integer.
- d) The sum of two negative integers is a positive integer.
- e) The difference of two integers is again an integer.
- f) When a negative integer is added to another negative integer, its value decreases.
- g) (-489) is greater than (-389) .
- h) Zero is larger than every negative integer.
- i) Farther a number from zero on the left, smaller is its value.

Q12. The sum of two integers, one of which is -19 is -56 . Find the other integer.

Q13. A plane flies 990 km west of Mumbai and then 1678 km east. How far is the plane from Mumbai now?

Q14. The temperature in Shimla was 4°C in the afternoon but at midnight the temperature fell by 10°C . What is the temperature recorded at midnight?

Q15. Complete the following pyramid in which the sum of the integers in any two bricks is equal to the integer in the brick directly above them.



Q16. Write the opposite of the following.

- a) Earning of Rs. 5000
- b) Loss of Rs. 300
- c) Gain of 10 kg weight
- d) 200 m above sea level
- e) Decrease of 10
- f) 20° C below freezing point
- g) 250 km east of Delhi
- h) Late by 25 minutes

Q17. Represent the following as integers with appropriate signs:

- a) A jet plane flying at the height of 2756m
- b) 10m down in the basement of a shopping mall.
- c) A submarine moving at depth of 234 m below the sea level.
- d) A deposit of Rs. 26500.
- e) A profit of Rs. 3000.
- f) Withdrawal of Rs. 5000.
- g) A kite flying at the height of 100 m.
- h) A whale at the depth of 3000 m below the sea level.

Q18. Answer the following:

- a) Which number is reached if we move 4 steps to the left of 0.
- b) Which number is reached if we move 7 steps to the right of -11 ?
- c) In which direction should one move to reach -67 from -80 ?
- d) In which direction should one move to reach 0 from -23 ?

Q19. Represent the following numbers on the number line:

- a) $+4$
- b) $+6$
- c) 0
- d) -7

Q20. A person is standing on a mountain cliff which is about 2500 mtr above sea level. He drops his tool bag ,which reaches a valley that is 2500 mtr, below sea level. Find the shortest distance between the man and his bag.
