



## INDIAN SCHOOL AL WADI AL KABIR

Dept. of Mathematics

Class : VI

WINTER HOLIDAY HOME WORK

Date: 13-12-15

### INTEGERS

- Write the opposite of (a)  $(-2)$  (b)  $+5$  (c) 40 km below sea level (d) moving 7 km to the South
- How many integers are there between  $(-4)$  and 5 ? Write them.
- Using number line find the integers which is (a) 4 more than  $(-2)$  (b) 8 less than 3
- Arrange in ascending order :  $-11, 6, 3, -5, -1, 7$
- Simplify: (a)  $(-6) + (-12) + 15 + (-8)$  (b)  $95 + (-98) + 20 + (-33)$
- Which is greater  $15 + (-9)$  or  $(-15) - (-9)$  ?
- Evaluate : (a)  $32 + (-21) - 43 - (-15)$  (b)  $(-76) - (-51) + (-31) - 29$
- Subtract : (a)  $(-68)$  from  $(-55)$  (b) 8 from  $(-92)$
- Find the value of :  $4 - 7 + (-5) - (-3) + 8$
- A place is 40 m above sea level and another place is 31 m below sea level. What is the total distance between the two places?
- The sum of three integers is  $(-29)$  . If two of them are  $(-9)$  and  $(-19)$ . What is the third integer?
- Fill in the blanks : (i) Zero is greater than every \_\_\_\_\_ integer.  
(ii) The sum of 2 negative integers is always a \_\_\_\_\_ integer.  
(iii) Additive inverse of a positive integer is always a \_\_\_\_\_ integer.  
(iv) Successor of  $(-1)$  is \_\_\_\_\_.  
(v) The greatest negative integer is \_\_\_\_\_.

## FRACTIONS

13. Give a proper fraction for (i) numerator is 5 and the denominator is 7  
(ii) Neena ate one-fifths of a cake.  
(iii) Ritu has three-eighths of a stamp collection.  
(iv) Soham sleeps 7 hours of a day.
14. Change  $8\frac{2}{3}$  into an improper fraction and  $\frac{19}{5}$  into mixed fraction.
15. Write 4 equivalent fractions for  $\frac{9}{11}$ .
16. Arrange in descending order : (i)  $\frac{7}{12}, \frac{1}{12}, \frac{5}{12}, \frac{11}{12}$  (ii)  $\frac{2}{5}, \frac{1}{2}, \frac{1}{3}, \frac{5}{6}$
17. Reduce to lowest terms : (i)  $\frac{56}{64}$  (ii)  $\frac{200}{375}$  (iii)  $\frac{27}{72}$
18. Fill in the boxes : (i)  $\frac{2}{3} = \frac{10}{\quad} = \frac{6}{\quad} = \frac{\quad}{18}$
19. Which is smaller  $\frac{6}{7}$  or  $\frac{3}{4}$  ?
20. (a) Add :  $2\frac{1}{3} + 3\frac{1}{4}$  (b) Subtract :  $3\frac{4}{7} - 2\frac{3}{8}$
21. Saju takes  $\frac{5}{6}$  hours to reach his school where as Raju takes  $\frac{7}{10}$  hours to reach the school. Who takes less time and by how much ?
22. Hari painted  $\frac{3}{10}$  part of a wall , Manu painted  $\frac{3}{5}$  of the same wall and the rest part of the wall was painted by their sister Meera. How much portion of the wall was painted by her ?
23. A piece of rope  $\frac{11}{12}$  m long was cut into two pieces. One piece was  $\frac{3}{4}$  m long. How long is the other piece ?
24. Neeru's school is  $\frac{13}{15}$  km from her house. She walked for some distance and then took a bus for  $\frac{4}{5}$  km to reach the school. How far did she walk ?
25. Sumit spent half of his pocket money in buying chocolates and one-third of it in buying pencils and eraser, what part of money is still left with him ?