Exercise 7a   Fillup

i   An interger on the given number line,
    is greater then every number on its left.

ii An interger on the given number line,
    is grater then every number to its left

iii 2 is greater then -4 implies 2 is to the right
     of -4

iv -3 is less then -2 and 3 is greater -2

v. -4 is greater then -8 and 4 is less then 8

vi. 5 is greater then 2 and -5 is less then -2

vii. -6 is less then 3 and the opposite of -6 is
      greater then opposite of 3.

viii. 8 is greater then -5 and -8 is less then 5

2.1 -15, -33 = -15 > -23   2 -12, 15 = 15 > -12

3 0 < 8 0,8   (iv) 13,0 = 13 > 0

3.   In each which interger is small

(i) $0, -6 = 0 > -6$ (ii) $2, -3 = 2 < -3$

(iii) $15, -51 = 15 < -51$ (iv) $13, 0 = 13 < 0$

4. 1. ① $3 > 0$ ② $0 > -8$ ③ $-9 < -3$ ④ $-3 < 3$

(v) $5 > -1$ (vi) $-13 < 0$ (vii) $-8 > -18$

5 (i) $-8, 0, -5, 5, 4, 1 = -8, -5, 0, 1, 4, 5$

(ii) $3, -3, 4, -7, 0, -6, 2 = -7, -6, -3, 0, 2, 3$

6. (i) ∅ $-5, -3, 8, 15, 0, -2 = 15, 8, 0, -2, -3, -5$

(ii) $12, 23, -11, 0, 7, 6 = 23, 12, 7, 6, 0, -11$

7.(i) The smallest interger is 0. = False

(ii) The smallest opposite of -17 is 17 = True

(iii) The opposite of zero is zero = True

(iv) Every negative interger is smaller then 0. True.