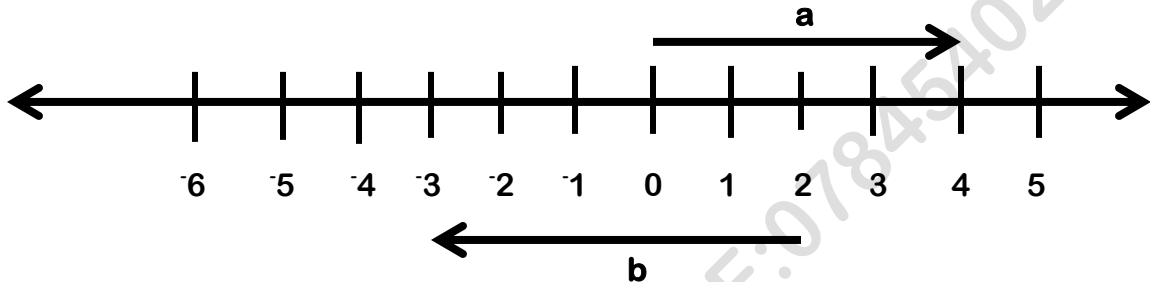


PLE AND OTHER TOPICAL QUESTIONS

(INTEGERS)

1. Simplify : $-6 - -4$
2. Simplify : $+4 - +6$
3. Work out $-7 - -3$ on a number line.
4. Write the integer represented by the letters a and b on the number line below.



a =

b =

5. Work out $-5 + +2$ on a number line.
6. Simplify: $-4 - -6$
7. Simplify : $-8 - -2$
8. Work out 3×2 using a number line .
9. Use $>$ or $<$ to complete the statements below.
 - (i) -8 -2
 - (ii) $+15$ -17

(b) Which integer is seven steps to the right of -5 ?

10. Simplify : $-9 - -4$
11. Arrange 4, -3 , 5, -4 , 0, -7 , -1 , 3 and -5 in ascending order.
12. Arrange -3 , $+4$, 0, -7 and $+2$ in descending order.
13. The temperature of meat in a fridge was -5°C and dropped by 2°C .
What is the new temperature of the meat now?
14. The temperature in the Amazon at 6:00am was -5°C . It increased to $+2^{\circ}\text{C}$.
What was the increase in the temperature?
15. Work out $-6 - -5$ using a number line.
16. Simplify: $-6 - -10$

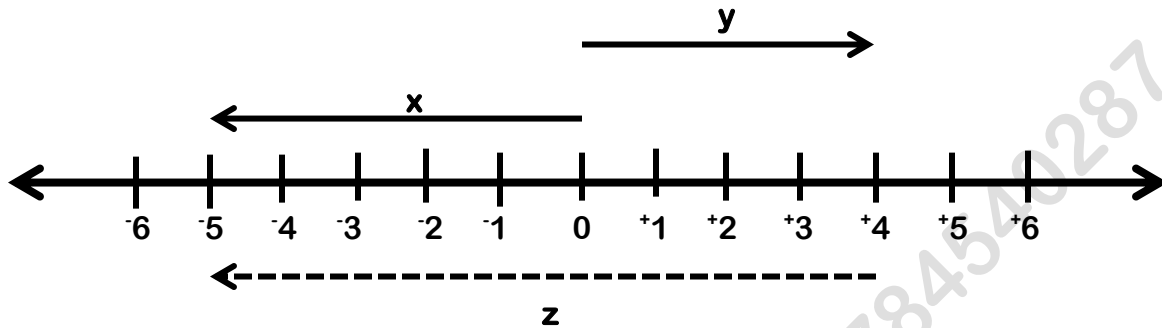
17. Simplify: $(-7) - (-5)$

18. Simplify: $-3 - -7$

19. Simplify: $-8 - -12$

20. Work out $-7 - -4$ using a number line.

21. Study the number line below and answer the questions that follow.



(a) Identify the integers represented by the arrows :

$y = \dots\dots$ $x = \dots\dots$ $z = \dots\dots$

(b) Write down the mathematical sentence shown on the number line above

22. Work out 3×-2 on a number line.

23. Work out -3×-2 on a number line.

24. Kato climbed nine upstairs from the ground. He later moved five upstairs downwards. On which upstairs is he standing now? (Use a number line)

25. Mukiibi stood on a drawn number line in front of the classroom at zero while facing the positive direction. He made six steps forward, changed and faced the negative direction while still at six and moved three steps backwards.

(a) Show Mukiibi's movements on a number line.

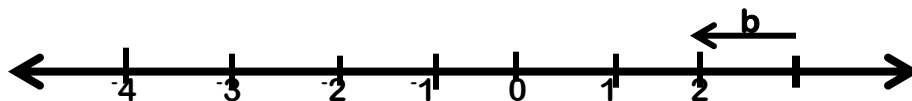
(b) Write the mathematical sentence for his movements.

26. On a number line show 3×4 .

27. Simplify: $+6 + -9$

28. Given the integers: 1, -7, 0, 2, and -5. Find their median.

29. The sum of four integers is -2, if arrow marked b on the number line below represents the second integer, find the remaining three integers.



30. Use $>$ or $<$ to complete the statement : $-2 + +5 \dots\dots +7$

31. Simplify: $-8 - -5$

32. Simplify: $+10 - (-2)$

33. Draw a number line and show the following integers using arrow.

(a) $+3$ (starting from -6)

(b) -3 (starting from $+5$)

34. Find the mean of the following numbers: 6, 0, -4 , -6 , 5, 7 and 3

35. Simplify: $-9 - -9$

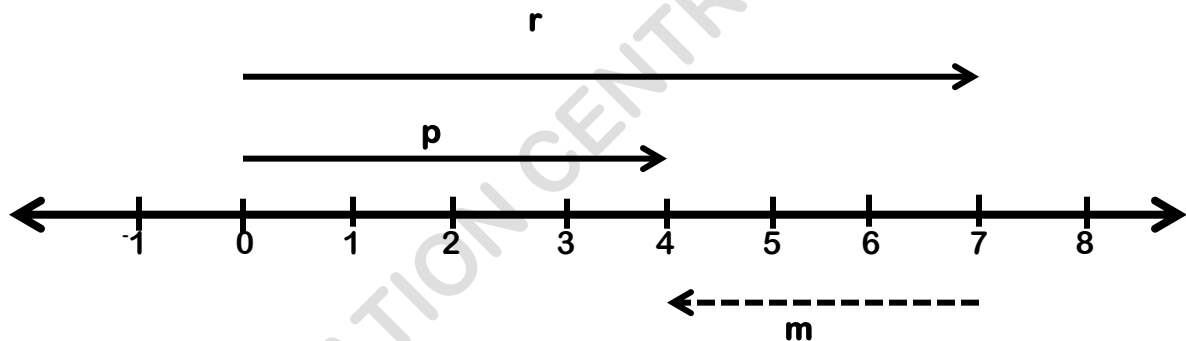
36. Find the median of the integers : $+8$, -1 , -6 , 0, $+3$, $+2$

37. Simplify: $3 - -2$

38. Work out: $-8 \div -4$

39. The temperature on top of a mountain was -5°C . The temperature decreased to -7°C . What was the decrease in temperature?

40. Study the number line below carefully and use to answer the questions that follow.



(a) Write down the integers represented on the number line .

$m = \dots\dots\dots$ $r = \dots\dots\dots$ $p = \dots\dots\dots$

(b) Write the subtraction statement represented on the number line above.

ACTION IS THE FOUNDATIONAL KEY TO SUCCESS