

**INTERNATIONAL INDIAN SCHOOL DAMMAM**  
**SUMMATIVE ASSESSMENT: 1 , (2015 – 2016)**

CLASS : VII

TIME: 3 HOURS

SUBJECT: MATHEMATICS

MAX:MARKS:90

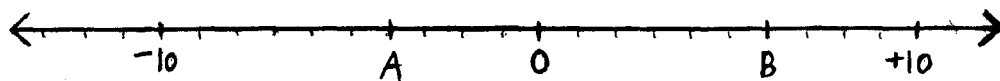
**SET – B**

**General Instructions:-**

1. All questions are compulsory. Internal choices are provided.
2. Section A – Questions 1- 8 carry 1 mark each
3. Section B – Questions 9 - 14 carry 2 marks each
4. Section C – Questions 15 - 24 carry 3 marks each
5. Section D – Questions 25 - 34 carry 4 marks each

**SECTION: A(1 x 8 = 8)**

1. Write an expression for the statement “one fourth of a number  $x$  minus 4 gives 4.”
2.  $55.5 \div 1000 = \text{-----}$
3.  $n = -1$  satisfies the equation  $-n - 1 = 0$  (True /False)
4. By observing the number line state which of the following is true?



- a) B is greater than +10    b) A is greater than 0
- c) B is greater than A    d) B is smaller than 0
5. The probability that a pen is chosen out of 5pens and 20 pencils is -----
6. Write the Standard form of  $\frac{-16}{-80}$
7. Find  $2\frac{1}{7}$  of  $\frac{7}{3}$
8. When a transversal cuts two parallel lines the pairs of interior angles on the same side of the transversal are -----.

**SECTION: B**

**(2 x 6 = 12)**

9. Find the product  $44.44 \times 1.25$
10. Construct two equations starting from  $x = 3$

11. Find the mode and median of the data

7, 5, 8, 1, 0, 2, 7, 5, 0, 1, 5

12. Evaluate  $[-60 \div -6] + [35 \div -7]$

OR

12. Write a pair of integers a) Whose sum is  $(-8)$

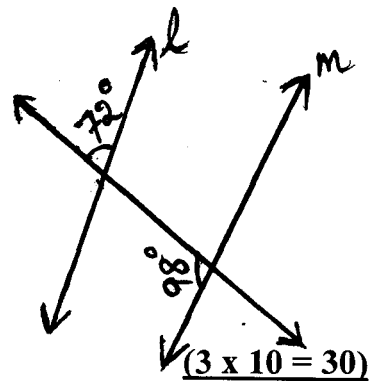
b) Whose quotient is  $(-5)$

13. Draw the number line and represent the following rational numbers on it.

a)  $\frac{4}{5}$

b)  $\frac{-3}{5}$

14. In the figure, decide whether  $l$  is parallel to  $m$ . Why?



SECTION: C

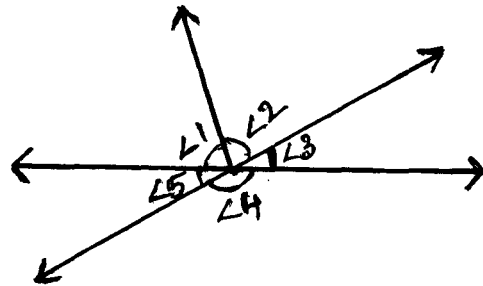
15. Rahul finished colouring a picture in  $\frac{4}{7}$  hour. Raj finished colouring the same picture in  $\frac{3}{4}$  hour. Who worked longer? By what fraction was it longer?

16. In the figure identify two pairs of

a) adjacent angles

b) linear pair

c) vertically opposite angles



17. An elevator descends into a mine shaft at the rate of 3 meter per minute.

If the descent starts from 100 m above the ground, what will be its position after 50 minutes?

18. Arrange the following rational numbers in ascending order.

$$\frac{-3}{5}, \frac{-1}{2}, \frac{-5}{6}$$

19. Solve  $9m + \frac{36}{5} = 9$

20. The difference in the measures of two complementary angles is  $10^\circ$ . Find the measures of the angles

21. Find a)  $14\frac{2}{5} \div 13\frac{1}{3}$

b) Write the expanded form of 201.89

22. Amal's father's age is 5 more than six times Amal's age. Find Amal's age if his father is 35 years old.

**OR**

22. The number of boys in International Indian School Dammam is 2000 less than the number of girls. Find the number of girls in the school, if the total number of students is 20000.

23. Organize the following marks in a class assessment in a tabular form

7 6 4 8 5 6 9 1 5 2 4 2 6 5 3  
6 2 5 4 5 3 5 7 6 4 5 2 7 4 7

24. A Mathematics competition consists of 20 multiple choice questions. A correct answer is awarded 4 marks and  $(-1)$  mark is given for a wrong answer. Teena attempts all questions, but only 15 of her answers are correct. What is her total score?

**SECTION : D**

**(4 x 10 = 40)**

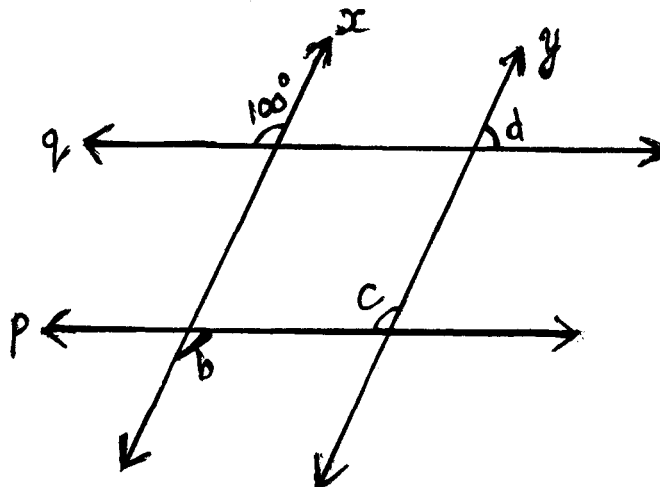
25. The length and breadth of a rectangular sheet is  $12\frac{1}{2}$ m and  $4\frac{2}{5}$  m respectively. Find the area and perimeter of the field.

26. The following table compares the sales of ice cream flavours in five school days. Represent the data using a double bar graph.

DAYS	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
VANILLA	30	50	60	45	50
CHOCOLATE	50	55	80	60	50

27. List 4 rational numbers between  $-\frac{1}{3}$  and  $-\frac{2}{5}$

28. In the figure xly and plq,  
Find the unknown angles  
a, b, c and d



29. Find the product using suitable properties

- a)  $(-8) \times 9898 \times (-125)$
- b)  $123 \times 345 + 345 \times (-23)$

30. The ages in years of 10 teachers of a school are

32, 41, 28, 54, 35, 26, 23, 33, 38, 40

- i) What is the range of the ages of the teachers?
- ii) What is the mean age of the teachers?
- iii) How many teachers have ages more than the mean age?

31. a)  $[-10\frac{1}{3} - (-5\frac{2}{15})]$

b) Find four equivalent rational numbers for  $\frac{-3}{7}$

32. Verify and name the property used

$$-5 \times [-20 + 9] = [-5 \times -20] + [-5 \times 9]$$

33. A car covers a distance of 416.25km in 7.5 hours. How much distance will it cover in one hour? Also find the distance it can cover in 10 hours.

OR

33. Seema bought 5kg 200g apples and 4kg 750g oranges. Nimisha bought 7kg350g mangoes and 1kg 500g bananas. Who bought more fruits and by how much?

34. a) Solve  $-2 + 3(p-2) = 7$

b) Write the equation  $3m - 5 = 4$  in statement form.