INDIAN SCHOOL MUSCAT
MID TERM EXAMINATION - 2017- 18

CLASS: 6 **SUB: MATHEMATICS** **TOTAL MARKS : 80**
DATE: 25.09.2017 **DURATION : 2 ½ hrs**

INSTRUCTIONS: a) ANSWER ALL THE QUESTIONS
b) (SECTION – A) – Q.NO (1 TO 4) – (‘1’ MARK EACH)
c) (SECTION – B) – Q.NO (5 TO 10) – (‘2’ MARKS EACH)
d) (SECTION – C) – Q.NO (11 TO 18) – (‘3’ MARKS EACH)
e) (SECTION – D) – Q.NO (19 TO 28) – (‘4’ MARKS EACH)

(SECTION – A)

1) **Which property of multiplication of whole numbers is shown in the following?**
(64 × 55) × 79 = 64 × (55 × 79)

2) **Write any two pairs of adjacent sides for the quadrilateral PQRS.**

3) **Express $15\frac{1}{2}$ as an Improper fraction.**

4) **What is the smallest 2 digit prime number?**

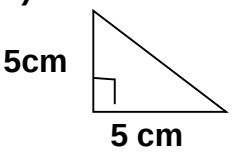
(SECTION – B)

5) **Write the smallest 5 digit number and the greatest 5 digit number formed by using the digits 4, 6, 1, 0, 5 (without repeating the digits)**

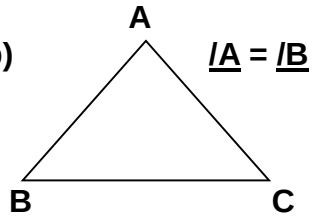
6) **How many whole numbers are there between 36 and 82?**

7) **Identify the type of the triangle?**

a)



b) **$\angle A = \angle B = \angle C = 60^\circ$**



8) **Using divisibility test check if 7648 is divisible by 6. (Show the working)**

9) **Write all the natural numbers from 2 to 20. What fraction of them even numbers?**

10) **Find the prime factorization of 300**

(SECTION – C)

11) **Insert commas and write 9543101 in Indian system and International system of numeration.**

12) **Write the first three common multiples of 24, 36**

13) **a. Where will the hand of the clock stop if it starts at 10 and makes $\frac{1}{2}$ of a revolution.**

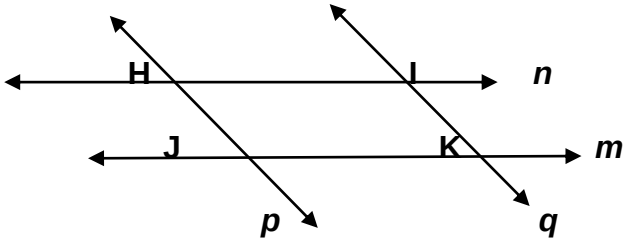
b. How many right angles are there in a straight angle.

14) **Bismi Bookstore sold books worth Rs. 3, 25, 645 in the first week of May and books worth Rs. 5, 05, 678 in the second week of the month. How much was the sale for the two weeks together? In which week was the sale greater and by how much?**

15) **Locate $\frac{6}{5}$ on a number line.**

16) **Find the sum by suitable rearrangement: 347 + 1596 + 653 + 2404**

17)



Identify the following from the adjacent figure
i) A pair of parallel lines
ii) A pair of intersecting lines
iii) A line passing through the point K

18) **Is 284174 is divisible by 11? (Use divisibility rule)**

(SECTION – D)

19) **Mr. Gyan had Rs.3, 50,500 with him. He purchased 12 refrigerators at Rs.22, 000 each. How much money will remain with him after his purchase**

20) **Solve using Distributive Property: 674 × 348 + 651 × 674 + 674**

21) **i) Using divisibility test find 650331 is divisible by 9 or not? (Show the working)**
ii) Find the smallest number which has three different prime factors?

22) **(i) Draw a Quadrilateral and name its vertices as FACE.**
(ii) Join the vertices 'F' and 'C'. What is FC called for the quadrilateral?
(iii) FC divides the quadrilateral into two triangles. Name them.

23) **Simplify: 35 + [5 × (18 ÷ 3) – (45 ÷ 5)]**

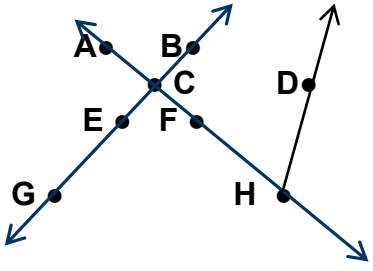
24) **Find the HCF of 111, 74 and 185 by Division Method.**

25) **Find the product using Distributive Property: 1008 x 123**

26) **(i) What kind of angle is 245^0?**
(ii) How many right angles will the hand of a clock turn through while moving from 3 to 9 ?
(iii) What shape is a Birthday Cap?
(iv) Facing West, if you turn through 270^0 anti-clockwise, which direction will you face?

27) **Find the LCM of 15, 20, 30, 45 by Division Method.**

28)



(a) Name the lines intersecting at point 'C'.
(b) Name two rays starting from 'H'
(c) Name a set of collinear points.
(d) Name the points on line segment BG.