

NAME

ROLL.NO



**INDIAN SCHOOL MUSCAT
MIDDLE SECTION
FIRST PERIODIC TEST 2018-19
MATHEMATICS
SET B**



CLASS 8
20.05.2018

Code:MXM08
Time Allotted: 40 Minutes
Max .Marks: 20

General Instructions:

1. The question paper comprises of three sections A ,B, and C. You have to attempt all the sections.
2. All the questions are compulsory.
3. All the answers should be written in the answer sheet provided

Q.NO.1

SECTION A - FILL IN THE BLANKS

Marks

- (a) If an angle of a rhombus is 75° , then the measure of its adjacent angle is _____ 1
- (b) A quadrilateral ABCD with $AB=CD= BC=AD$ and $AC \neq BD$ is _____ 1
- (c) $\frac{-2}{3} \left[\frac{5}{6} + \frac{-4}{9} \right] = \left[\frac{-2}{3} \times \frac{5}{6} \right] + \left[\frac{-2}{3} \times \frac{-4}{9} \right]$ Name of the property is _____ 1
- (d) The sum of a rational number and its additive inverse is _____ 1
- (e) If the sum of two angles of a quadrilateral is 210° , then the sum of the remaining two angles is _____ 1

Q.NO.2

SECTION B-'1' MARK QUESTIONS

Marks

- (a) Find the product of $\frac{-2}{7}$ and reciprocal of $\frac{-1}{14}$ 1
- (b) Find the number of diagonals of a polygon with 13 sides. 1
- (c) Find each exterior angle of a regular polygon with 12 sides. 1
- (d) The sum of two rational numbers is $\frac{-3}{5}$. If one of them is $\frac{1}{10}$, find the other. 1
- (e) Find the multiplicative inverse of $\left[\frac{-3}{8} + \frac{-3}{4} \right]$ 1

Q.NO.

SECTION - C ('2' MARKS EACH – TOTAL (10 MARKS))

Marks

- 3 Find the sum of interior angles of a polygon with 15 sides. 2
- 4 Write two rational numbers between $\frac{-3}{4}$ and $\frac{-5}{6}$ 2
- 5 If each interior angle of a regular polygon is 135° , find the number of sides of the polygon. 2
- 6 Simplify using suitable property $\left[\frac{-3}{7} \times \frac{1}{12} \right] + \left[\frac{-3}{4} \times \frac{-3}{7} \right]$ 2
- 7 The angles of a quadrilateral are in the ratio 2:5:6:7 Find the smallest angle and the largest angle. 2