NAME		ROLL NO	

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

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 the sum of two angles of a quadrilateral is 150°, then the sum of the remaining two angles is ____** 1

(b) **A quadrilateral ABCD with AB=CD, BC=AD , $\angle A$ = 90°is _____** 1

(c) $\frac{-2}{3}\left[\frac{5}{6}\times\frac{4}{9}\right]=\left[\frac{-2}{3}\times\frac{5}{6}\right]\frac{4}{9}$ **Name of the property is _____** 1

(d) **The product of a rational number and its multiplicative inverse is _____** 1

(e) **If an angle of a rhombus is 75°, then the measure of its opposite angle is _____** 1

Q.NO.2 **SECTION B–'1' MARK QUESTIONS** Marks

(a) **Find the sum of $\frac{-2}{7}$ and additive inverse of $\frac{-1}{14}$** 1

(b) **Find the number of diagonals of a polygon with 11 sides.** 1

(c) **Find each exterior angle of a regular polygon with 9 sides.** 1

(d) **The product of two rational numbers is $\frac{-3}{5}$. If one of them is $\frac{-9}{20}$ find the other.** 1

(e) **Find the multiplicative inverse of $\left[\frac{-1}{10}+\frac{-3}{5}\right]$** 1

Q.NO. **SECTION - C ('2' MARKS EACH – TOTAL (10 MARKS))** Marks

3 **Find the sum of interior angles of a polygon with 18 sides.** 2

4 **Write two rational numbers between $\frac{-2}{3}$ and $\frac{-3}{4}$** 2

5 **If each interior angle of a regular polygon is 150°, find the number of sides of the polygon.** 2

6 **Simplify using suitable property $\left[\frac{-2}{7}\times\frac{5}{12}\right]+\left[\frac{-3}{4}\times\frac{-2}{7}\right]$** 2

7 **The angles of a quadrilateral are in the ratio 2:3:5:8 Find the smallest angle and the largest angle.** 2