NAME		ROLL NO	

INDIAN SCHOOL MUSCAT
MIDDLE SECTION
FIRST PERIODIC TEST 2019-20
MATHEMATICS (SET-B)

Code:MXM01

CLASS 8

Time Allotted: 40 Minutes

19.05.2019

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.NO1 **SECTION A - FILL IN THE BLANKS ('1' MARK EACH) – TOTAL – 04 MARKS** **Marks**

(a) **What is the sum of the exterior angles of a regular polygon if its each interior angle is 108^0 ?** **1**

(b) **Name the property used in the statement** $\frac{-5}{9}\times\left(\frac{4}{15}\times\frac{-9}{8}\right)=\left(\frac{-5}{9}\times\frac{4}{15}\right)\times\frac{-9}{8}$ **1**

(c) **PQRS is a square, its diagonals PR = 14cm and QS = (2a - 2)cm ,Find the value of QS.** **1**

(d) **Find the product of the rational number** $\frac{-5}{9}$ **with its reciprocal.** **1**

Q.NO2 **SECTION B – ('2' MARKS EACH) – TOTAL – 10 MARKS** **Marks**

(a) **Simplify** $\frac{-9}{7}\times\left(\frac{4}{18}+\frac{-3}{9}\right)$ **2**

(b) **Find four rational numbers between** $\frac{-1}{4}$ **and** $\frac{-1}{5}$**.** **2**

(c) **Two adjacent angles of a parallelogram are $(2m)^0$ and $(4m)^0$. Find all angles of the parallelogram.** **2**

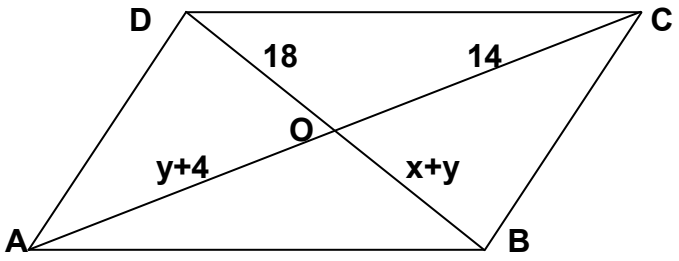
(d) **Find the number of sides of a regular polygon whose each interior angle has a measure of 144^0 .** **2**

(e) **Find the number of diagonals for a heptagon.** **2**

Q.NO **SECTION – C ('3' MARKS EACH) – TOTAL – 06 MARKS** **Marks**

3 **Simplify using suitable property.** $\left(\frac{6}{7}\times\frac{8}{6}\right)$ **-** $\left(\frac{7}{3}\times\frac{-6}{7}\right)$ **+** $\left(\frac{6}{7}\times\frac{1}{3}\right)$ **3**

a) In a parallelogram ABCD , the diagonals meet at O, AO = y+4 and CO = 14cm BO = x +y and OD = 18cm. Find the value of x,y.



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b) Name the quadrilateral whose diagonals are equal but are not perpendicular to each other.