

**INDIAN SCHOOL SOHAR**  
**FORMATIVE ASSESSMENT- 2**  
**MATHEMATICS**

Date: 01-06-2014  
 Class: VIII

Time: 40mnts  
 Marks: 20

General Instructions:

- All questions are compulsory.
- Section A comprises 3 questions of 1 mark each.
- Section B comprises 2 questions of 2 marks each.
- Section C comprises 3 questions of 3 marks each.
- Section D comprises 1 question of 4 marks.

**SECTION A**

1. What is the measure of each interior angle in a regular hexagon?  
 (a)  $72^{\circ}$                       (b)  $60^{\circ}$                       (c)  $108^{\circ}$                       (d)  $120^{\circ}$
2. Find the value of “p” such that  $3p = 5p - \frac{8}{5}$   
 (a)  $-\frac{4}{5}$                       (b)  $\frac{4}{5}$                       (c)  $-\frac{5}{4}$                       (d)  $\frac{5}{4}$
3. How many diagonals does a regular pentagon have?  
 (a) 5                      (b) 9                      (c) 10                      (d) 6

**SECTION B**

4. How many sides does a regular polygon have if each of its exterior angles is  $15^{\circ}$ ?
5. Solve for y,  $y + \frac{y+1}{3} = 6y$

**SECTION C**

6. Solve for p,  $\frac{(3p+4)-(p+1)}{5p-3} = \frac{1}{23}$ .
7. How many sides does a regular polygon have if each of its interior angles is  $156^{\circ}$ ?
8. The denominator of a rational number is greater than its numerator by 8. If the numerator is increased by 17 and the denominator is decreased by 1, the number obtained is  $\frac{3}{2}$ . Find the rational number?

**SECTION D**

9. The digits of a two digit number differ by 3. If the digits are interchanged and the resulting number is added to the original number, we get 143. What can be the original number?

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