

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 pentagon?
 (a) 72° (b) 60° (c) 108° (d) 120°
2. Find the value of “m”, such that $3m = 5m - \frac{8}{5}$
 (a) $-\frac{4}{5}$ (b) $\frac{4}{5}$ (c) $-\frac{5}{4}$ (d) $\frac{5}{4}$
3. How many diagonals does a regular hexagon have?
 (a) 0 (b) 9 (c) 18 (d) 36

SECTION B

4. How many sides does a regular polygon have if each of its exterior angles is 24° ?
5. Solve for q, $q + \frac{q+1}{3} = 6q$

SECTION C

6. Solve for x, $\frac{(3x+4)-(x+1)}{5x-3} = \frac{1}{23}$.
7. How many sides does a regular polygon have if each of its interior angles is 165° ?
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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