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FA1 EXAM JULY 2015-16

SUB: Mathematics

Class: VIII

Time: 90min

I Multiple choice questions

5x1=5M

1. The negative of -2 is _____

- a) 2 b) -2 c) 0 d) -1

2. The reciprocal of $\frac{1}{x}$ ($x \neq 0$) is _____

- a) $\frac{-1}{x}$ b) x c) $-x$ d) $x + 1$

3. $X+7= 7$ then $x =$ _____

- a) 7 b) -7 c) 0 d) 1

4. The sum of the adjacent angles of a parallelogram is _____

- a) 90° b) 360° c) 120° d) 180°

5. The angle sum of a convex polygon with number of side's n is _____

- a) $(n-1) 180^\circ$ b) $(n+1) 180^\circ$ c) $(n-2) 180^\circ$ d) $(n+2) 180^\circ$

II Answer the following questions

4x2=8M

6. Simplify $\frac{-1}{4} + \left[\frac{2}{9} + \left(\frac{-5}{11} \right) \right]$

7. Solve $\frac{x}{4} + 2 = \frac{7}{15}$

8. Solve $8x + 4 = 3(x-1) + 7$

9. What is a regular polygon?

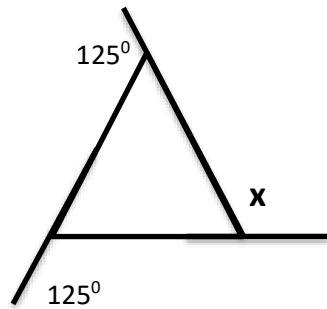
III Answer the following questions

5x3=15M

10. Find five rational numbers between $\frac{2}{3}$ and $\frac{4}{5}$

11. Three consecutive integers add up to 51, what are these integers

12. The ages of Rahul and Haroon are in the ratio 5:7. four years later the sum Of Their ages will be 56 what are their present ages?
13. Two adjacent angles of a parallelogram have equal measure, find the Measure Of each of the angles of the parallelogram.
14. Find the value of 'x' in the following figure.



IV. Answer the following questions

3x4=12M

15. Represent $\frac{-2}{11}$, $\frac{-5}{11}$, $\frac{-9}{11}$ on a number line

16. 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.

17. The adjacent figure HOPE is a parallelogram find the angle measure x, y and z. s state the properties you use to find them.

