

**Sample Questions for Level 4 (class 6 and 7)**

1. If the no. of sides of a regular polygon is 8, then what is the sum of the interior angles?
2. Convert .908908..... into fraction?
3. The sum  $1^2 + 2^2 + 3^2 + 4^2 + \dots + 25^2$  is equal to 5525.  
Evaluate  $2^2 + 4^2 + 6^2 + 8^2 + \dots + 50^2$   
[<sup>^</sup> means exponent]
4. For how many positive integer values of n is the expression  $36 / (n+1)$  an integer?
5. If k is the multiple of 3, can we say k + 2 is also multiple of 3? Give reasons
6. 78965 - Is it divisible by 8?
7. If we increased the value of x by 20% and  $x = .8989\dots$  what is the changed value of x?
8. If the speed of a boat @downstream is 12 km/hr. and @ upstream is 8 km/hr. Find the stream speed and the boat speed
9. An isosceles triangle has integer side lengths and perimeter is 25 units. What are the possible values of the length of each side?
- 10 What is sum of the factors of 50?
- 11 A cube dice has 6 sides marked with 1, 2, 3, 4, 5, 6. What is the probability of getting 1 after a toss?