



Roll Number:

## Answer Sheet

For Level 2: Students of Class 11<sup>th</sup> and 12<sup>th</sup>

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<b>Class:</b> Answer Key	<b>City:</b>
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Section1	Q.1 Yes
Section1	Q.2 : 12870 or $16!/(8!*8!)$ or $16C8$ ( c is combination)
Section1	Q.3: D- 50kg
Section1	Q.4: A-45
Section2	Q.1: C-3 liters
Section3	Q.1 $(m*n)/((gcd(m,n)^2)$ i.e. $m*n$ divided by the square of $gcd(m,n)$
Section4	Q.1 B – 2 stones
Section4	Q.2 C – win cannot be guaranteed
Section4	Q.3 B – $3n+1$
Section5	Q.1 A – 4
Section6	Q.1- 361
Section6	Q.2: 3
Section6	Q.3: $4/3$ or 1.33
Section6	Q.4: B- 25
Section6	Q.5: A - 36
Section7	Q.1 C- 504
Section8	Q.1: $1/3$



Section8	Q.2 – 13/27 ( No other answer to be entertained ) -5 for writing close to half
Section8	Q.3 – 23/47 ( No other answer to be entertained ) -5 for writing close to half
Section9	Q.1: 256
Section9	Q.2: C – 3.2
Section9	Q.3: B-20
Section9	Q.4: 7
Section9	Q.5: -4.5 (negative 4.5)
Section10	Q.1: 461