

NAME OF THE STUDENT:

CLASS: 08 SEC: DATE: 27.08. 17

TOPIC : REVISION WORKSHEET : 02

FIRST TERM EXAMINATION

(SECTION – A)

S.NO	QUESTIONS
1	Write the multiplicative inverse of $\frac{-4}{5} \times \frac{5}{7}$
2	How many diagonals do a regular heptagon has?
3	Express 81 as the sum of 9 odd numbers.
4	Find the product of $2mn (3m^2 + 8n - 4)$

(SECTION – B)

S.NO	QUESTIONS
5	What should be added to $2x (x - y)$ to get $3xy - 5x^2$?
6	Find the sum of $3a^3 + 2b^2 - 6c$ and $b^2 - 5a^3 + 9c$
7	Find the sum of the angles of a polygon with 5 sides.
8	Find the square root of 11025 by prime factorization method.
9	Construct a Rhombus of side 4.8 cm and one diagonal of length 6 cm.
10	The cost of 15 chart papers is Rs 450. Find the cost of 8 chart papers.

(SECTION – C)

S.NO	QUESTIONS
11	Is 3375 a perfect cube? Show working.
12	Construct a parallelogram CDEF where $CD = 5$ cm $DE = 6.2$ cm $D = 75^\circ$
13	Find the product of $(3p - 4r) (3p + 4r)$
14	The ratio of the sides of a parallelogram is 3 : 5 and its perimeter is 48cm, Find its sides.

15	Multiply $(x^3 - 5)(x^3 - 2y + 7)$
16	Subtract $2xy(5x^3 - 8y)$ from $3x^2y(2x^2 + 4)$
17	Find the least number which must be subtracted from 7230 to make it a perfect square.
18	Find the smallest number to be divided with 1080 to make it a perfect cube.

(SECTION – D)

S.NO	QUESTIONS
19	30 stamps of equal value cost Rs 450, How many stamps of the same value can be bought for Rs. 750?
20	Simplify the expression $2b(7b - 6a + 8) - 3b$ and find its value when $a = 1, b = -2$
21	Find the cube root of 2744×729
22	Find the smallest square number which is divisible by each of the numbers 3,15 and 18
23	Find the greatest 5 digit number which is a perfect square
24	Simplify using properties: $\frac{1}{2} \times \frac{-8}{9} + \frac{2}{3} \times \frac{5}{6} + \frac{3}{4} \times \frac{-8}{9}$
25	Subtract $5a(2a + 9b - 3c) - 6(a^2 - ab + 3ac)$ from $4a^2 - 7ab - 9ac$
26	5 men can reap a field in 12 days. How many more men are to be employed to reap the same field in 4 days?
27	Simplify $(p + q)(p - q) + (q + r)(q - r) + (r - p)(r + p)$
28	Construct a quadrilateral ABCD if $AB = 5.5$ cm, $BC = 5.8$ cm, $AD = 4$ cm, $\angle B = 105^\circ$, and $\angle A = 60^\circ$

INDIAN SCHOOL MUSCAT – DEPARTMENT OF MATHEMATICS – (2017 – 18)

PORTION FOR THE FIRST TERM EXAMINATION

TOTAL MARKS : 80

S.NO	PORTION
1	RATIONAL NUMBERS
2	UNDERSTANDING QUADRILATERALS
3	PRACTICAL GEOMETRY
4	SQUARES AND SQUARE ROOTS
5	CUBES AND CUBE ROOTS
6	DIRECT AND INVERSE PROPORTION
7	ALGEBRIC EXPRESSIONS (EX NO: 9.1 , 9.2 ,9.3 AND 9.4 ONLY)