



NAME OF THE STUDENT :

CLASS : 8 SEC :

SUB: MATHEMATICS



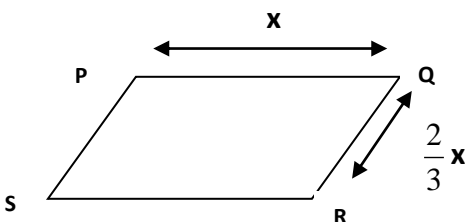
REVISION WORKSHEET- 02

DATE: 06.09.18

Q.NO:01

S.NO	FILL IN THE BLANKS	ANSWER
(a)	The measure of each exterior angle of 12 sided polygon is _____	
(b)	Square of $\sqrt{17}$ is _____	
(c)	If a and b varies inversely as each other and a=8 when b=10. Find b when a=5.	
(d)	$5x^2 + 3xy - 7y^2 + 3xy - 4y^2$ is _____ type of polynomial.	
(e)	The product of $10mn$, $\frac{-5}{14}m^2p$ and $7mn^2$ is _____	
(f)	Product of $(x+y)$ and $(x - y)$ is _____	
(g)	The ones digit of the cube of 1024 is _____	
(h)	Number of non-square numbers between $(305)^2$ and $(306)^2$ is _____	
(i)	The product of $-\frac{1}{2}$ and its additive inverse is _____	
(j)	The coefficient of x in $(-\frac{1}{11}x^4yz^2)$ is _____	

S.NO	ANSWER THE FOLLOWING QUESTIONS
2	The angles of a pentagon are in the ratio 2:5:8:3:12. Find the largest and the smallest angles of the pentagon.
3	Construct a square PQRS with the side PQ= 4.7cm
4	Find the smallest square number that is divisible by each of the numbers 4, 8 and 12.
5	3096 students of a school have to be seated on chairs, arranged in equal rows and columns. After they were seated it was found that some of them could not be seated. How many students could not be seated and how many rows and columns of chairs were available?
6	By what number should $-\frac{33}{6}$ be divided to obtain $-\frac{11}{18}$?
7	Find the least number by which 972 must be multiplied to make it a perfect cube.
8	The length and breadth of a rectangle are $(3x^2- 4)$ units and $(2y^2+3)$ units. Find its area.
9	Subtract $3pq(p - q)$ from $2pq(p + q)$.

10	Simplify: (i) $15a^2 - 6a(a - 2) + a(3 + 7a)$; (ii) $a(b - c) + b(c - a) + c(a - b)$.
11	Multiply $(-\frac{3}{2}x^2y^3)$ by $(2x - y)$ and find its value for $x=1$ and $y=2$.
12	Simplify $4ab(a - b) - 6a^2(b - b^2) - 3b^2(2a^2 - a) + 2ab(b - a)$ and find its value for $a=-1, b=2$.
13	1000 soldiers in a fort has enough food for 20 days. Some soldiers are transferred to another fort on the first day and the food lasted for 25 days. How many soldiers were transferred?
14	Evaluate: $\sqrt[3]{1728} - \sqrt{576}$
15	If the diagonals of a rhombus are 30cm and 16cm respectively. Find its perimeter.
16	Construct a rhombus with diagonals 6.1cm and 4.8 cm.
17	Simplify by using suitable properties: $(\frac{5}{3} \times \frac{-2}{7}) + (\frac{-5}{7} \times \frac{5}{3}) - (\frac{1}{7} \times \frac{-5}{3})$
18	 <p>PQRS is a parallelogram with perimeter 120cm. Find all the Sides of the parallelogram.</p>
19	If the adjacent angles of a parallelogram are in the ratio 4 : 5. Find all the angles of the parallelogram.
20	$A = (3x^2 + 5xy - 9)$; $B = (x - y)$; $C = (3x^2 - 5xy^2 + 9y)$ Find: $(AB - C)$
21	Find the square root of 1.324 correct up to two decimal places.
22	If 140 g of silk yarn is required to weave 4 sq.m of cloth, how much silk yarn is required to weave 25 sq.m of cloth? How much cloth can be woven from 21 kg of silk yarn?

INDIAN SCHOOL MUSCAT – MIDDLE SECTION – DEPARTMENT OF MATHEMATICS (2018-19)

CLASS: 08

PORTION FOR THE FIRST TERM EXAMINATION

TOTAL MARKS - 80

S.NO	TOPIC
1	RATIONAL NUMBERS
2	UNDERSTANDING QUADRILATERALS
3	PRACTICAL GEOMETRY
4	SQUARES AND SQUARE ROOTS
5	CUBES AND CUBES ROOTS
6	DIRECT AND INVERSE PROPORTIONS
7	ALGEBRAIC EXPRESSIONS AND IDENTITIES (UP TO EX NO: 9.4)