NAME OF THE STUDENT :   **CLASS : 8   SEC :**   **SUB: MATHEMATICS**

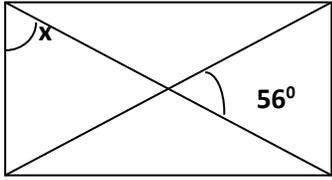**REVISION WORKSHEET- 01**   **DATE: 27.08.18**

Q.NO:01

S.NO	MCQ	ANSWER
(a)	The multiplicative inverse of $\left[1-\dfrac{3}{2}\right]$ is _____ a) $-\dfrac{1}{2}$ b) $\dfrac{1}{2}$ c) 2 d) -2	
(b)	The cube root of 729 000 000 is _____ a)90 b)9 c)900 d)9000	
(c)	The number of sides of a regular polygon having interior angle 135^0 is __ a)5 b)6 c)7 d)8	
(d)	The value of $\left[\sqrt[3]{125}\times\sqrt[3]{8}\right]^2$ is _____ a)10 b)100 c)1000 d)10000	
(e)	ABCD is a parallelogram in which AB = BC = CD = AD ; AC ≠ BD then ABCD is a _____ a)Trapezium b)Kite c)Rectangle d)Rhombus	

S.NO	FILL IN THE BLANKS	ANSWER
(f)	There are _____ rational numbers between $\dfrac{-1}{2}\,and\,\dfrac{-5}{2}$	
(g)	The number of digits in the square root of 9922500 is _____	
(h)	Number of diagonals of a 15 sided polygon is _____	
(i)	The least number to be subtracted from 132 to make it a perfect square is _____	
(j)	If 'm' and 'n' are two quantities which are in direct proportion then _____ = a constant	

S.NO	ANSWER THE FOLLOWING QUESTIONS
2	Find the other members of a Pythagorean triplet if one member is 24
3	The adjacent angles of a parallelogram are $(2x-9)^0$ and $(3x+4)^0$. Find all angles of the parallelogram
4	Find the cube root of 21952 by prime factorization method
5	Simplify by using suitable properties. $\left(\dfrac{-1}{2}\times\dfrac{3}{4}\right)+\left(\dfrac{2}{3}\times\dfrac{-1}{2}\right)$
6	Construct a quadrilateral ABCD if AB= 5.5 cm BC = 5.8 cm AD = 4 cm $\angle$B = 105^0 $\angle$A = 60^0
7	Find the least number to be added to 4392 to make it a perfect square
8	1200 people in a camp had enough food for 28 days . After 4 days few people were transferred to another camp and thus the food lasted for 32 days . Find the number of people transferred to the other camp
9	Find the least number by which 6912 must be divided to obtain a perfect cube

10	Construct a rhombus with side 7.2 cm and one angle is 120⁰
11	A motor car uses 40 litres of petrol to run for 8 hours. (i) Calculate the amount of petrol needed for a 12-hour journey (ii) How long will 150 litres of petrol last?
12	Find the greatest 4 - digit number that is a perfect square
13	List 4 rational numbers between $\dfrac{-2}{3}$ and $\dfrac{2}{3}$
14	Evaluate : (i) $\sqrt{2\dfrac{1}{4}} - \sqrt{\dfrac{1}{4}}$ (ii) $\left(-1\dfrac{2}{9}\right)^3$ (iii) $\sqrt[3]{0.008} \times \sqrt[3]{125}$
15	Find the smallest square number which is divisible by 4, 6 and 15
16	Construct a square of diagonal 6.4 cm
17	Find the cost of fencing a square plot of area 3969 sq.m at the rate of ₹ 50 per metre
18	Find the measure of 'x' in the given rectangle.
19	Find the square root of 5 correct to two decimal places
20	The angles of a quadrilateral are in the ratio 3:4:5:6 Find the measures of all the angles
21	At a camp, there is enough food for 500 scouts for 21 days. If 250 more scouts join the camp, how long would the food last?
22	A swimming pool can be filled in 8 hours by 4 equal pumps. How many such pumps are required if the pool is to be filled in $5\dfrac{1}{3}$ hours?
23	The sides of a rectangle are (3x +2y) units and (4y – 3x)units. Find it's perimeter.
24	Add : 3a (c – a – b) and 3b (c – b – a)
25	Simplify: (2a + 3) (b – 2) + (5a + 3) (b – 3)

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)