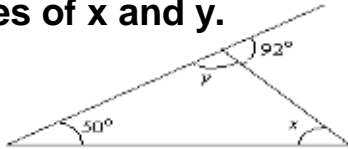


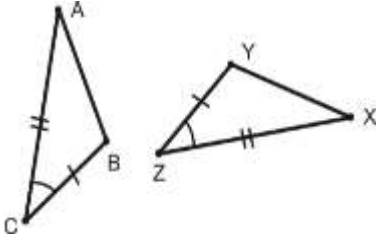
NAME OF THE STUDENT : CLASS : 7 SEC : DATE : 12 .02.18



SUB: MATHEMATICS

REVISION WORKSHEET-1

S.NO	ANSWER THE FOLLOWING QUESTIONS
1	Express $\frac{33}{-77}$ in standard form.
2	A number when added to its half gives 72. Find the number.
3	In the figure given alongside, find the values of x and y. 
4	Find the mean of the first five prime numbers.
5	A baker bought $12\frac{1}{2}$ kg of flour. Two-fifth of it was used to make pastries. How much of the flour was used?
6	The hypotenuse of a right triangle is 26 cm long. If one of the two sides is 24 cm long, find its perimeter and area.
7	Find the range, mean and median of the following data. 21, 6, 7, 4, 9, 8, 13, 19
8	Find the number whose 13% is 65

S.NO	ANSWER THE FOLLOWING QUESTIONS
1	Find the height of a triangle whose base is 15cm and area 120 cm^2
2	Name the corresponding parts of the adjacent congruent triangles. Name the Congruence condition. 
3	Construct a triangle ABC where $BC = 6\text{ cm}$, $\angle B = 60^\circ$ and $\angle C = 40^\circ$.
4	The angles of a triangle are in the ratio 2 : 3 : 5. Find the angles.
5	If the letters of the word 'ENVIRONMENT' are put in a box and one letter is taken out at random, find the probability of taking out: a) The letter N b) letter drawn is a vowel c) The letter P
6	The cost of a flower vase got increased by 12%. If the current cost is Rs 896, what was its original cost?
7	Vibhav scored runs twice as much as Satwick in a cricket match. Together their score was 26 more than a century. How much did each one score?

8	List five rational numbers between $\frac{-4}{5}$ and $\frac{-2}{3}$																					
9	Jane was drawing a salary of Rs 60,000 per month. Her salary was increased to Rs 75,000 per month. Find the percentage increase in salary.																					
10	Construct ΔPQR right angled at R, in which the hypotenuse $PQ = 7$ cm, side $PR = 4$ cm.																					
11	<p>In a public library, the following observations were recorded by the Librarian in a particular week:</p> <table border="1"> <thead> <tr> <th>Days</th> <th>Mon</th> <th>Tues</th> <th>Wed</th> <th>Thurs</th> <th>Fri</th> <th>Sat</th> </tr> </thead> <tbody> <tr> <td>Newspaper Readers</td> <td>400</td> <td>600</td> <td>350</td> <td>550</td> <td>500</td> <td>350</td> </tr> <tr> <td>Magazine Readers</td> <td>150</td> <td>100</td> <td>200</td> <td>300</td> <td>250</td> <td>200</td> </tr> </tbody> </table> <p>a) Draw a double bar graph choosing an appropriate scale. b) On which day number of readers in the library was maximum? c) What is the mean number of magazine readers?</p>	Days	Mon	Tues	Wed	Thurs	Fri	Sat	Newspaper Readers	400	600	350	550	500	350	Magazine Readers	150	100	200	300	250	200
Days	Mon	Tues	Wed	Thurs	Fri	Sat																
Newspaper Readers	400	600	350	550	500	350																
Magazine Readers	150	100	200	300	250	200																
12	Arrange the rational numbers $\frac{4}{-9}$, $\frac{-5}{12}$, $\frac{7}{-18}$ and $\frac{-2}{3}$ in ascending order.																					
13	Seema takes shortest route to her home by walking diagonally across a rectangular park. The park is 80m long and 60m wide. How much shorter is the route across the park than the route around its edges?																					
14	Solve: a) $3a + \frac{9}{4} = \frac{45}{4}$ b) $3(p - 5) = 42$																					
15	Rhea and Reema together have Rs 700 in total. Reema has three times as much money as Rhea. How much money does each one have?																					
16	A pizza factory has come out with two kinds of pizzas. A square pizza of side 45 cm and a circular pizza of diameter 50cm. Which pizza is a better deal if the cost of both pizzas is same?																					
17	Mr Sonu took a loan from the bank for Rs 64,000 at the rate of 11% p.a. for three years at simple interest. How much interest and amount will he pay back after three years?																					
18	The diameter of a circular park is 84 m. A 3.5 m wide road runs on the outside around it. Find the cost of constructing the road at Rs 200 per m.																					
19	Find the area swept by a minute hand of clock of length 7cm in 1 hr.																					

INDIAN SCHOOL MUSCAT – MIDDLE SECTION – DEPARTMENT OF MATHEMATICS (2017-18)				
CLASS: 07		PORTION FOR THE FINAL EXAMINATION		TOTAL MARKS - 80
S.NO	TOPIC			
1	SIMPLE EQUATIONS – (EX: 4.1, 4.2 , 4.3 & 4.4)		6	PERIMETER AND AREA
2	TRIANGLE AND ITS PROPERTIES			7
3	CONGRUENCE OF TRIANGLES			8
4	PRACTICAL GEOMETRY			9
5	COMPARING QUANTITIES			