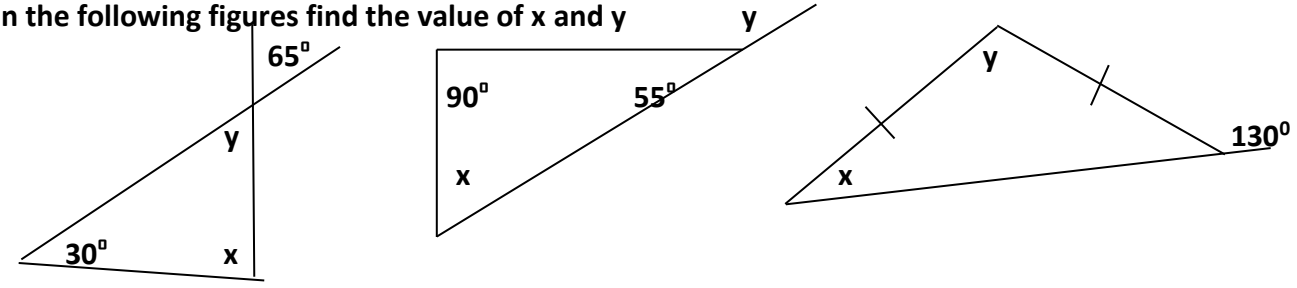
INDIAN SCHOOL MUSCAT– MIDDLE SECTION – DEPARTMENT OF MATHEMATICS –TERM:02 (2018 –19)

NAME OF THE STUDENT : **CLASS :7 SEC :**

SUB: MATHEMATICS **REVISION WORKSHEET:02** **DATE :18.02.2019**

S.NO	ANSWER THE FOLLOWING QUESTIONS
1	The circumference of a circle is 132 cm , find its area.
2	Tanay spends $\frac{2}{7}$ of his leisure time reading story books, $\frac{3}{14}$ playing football and the rest of the time watching TV. Find the fraction of his leisure time spent in watching TV.
3	Find the perimeter and area of a triangle PQR, right angled at P, whose hypotenuse is 13cm and height is 5cm.
4	Check whether (i) 5cm, 7cm and 12 cm can be the sides of a triangle. (ii) 9cm, 5cm and 13 cm can be the sides of a right angled triangle
5	An exterior angle of a triangle measures 120° and its interior opposite angles are in the ratio 3:5, find the measure of all the angles of a triangle.
6	Write equations for the following statements: (i) If you subtract 5 from 6 times a number, you get 7 (ii) one-third of a number plus 5 is 8
7	Nikhil bought a laptop for Rs. 24,000 and spent Rs. 1000 on its repair. Then sold it for Rs. 28,000. Calculate his profit or loss% in this bargain.
8	Find the cost of fencing a triangular garden of sides 12m, 15m and 20m at the rate of Rs.20/m.
9	The base angles of an isosceles Δ is 15° more than its third angle. Find the measure of all angles.
10	In an examination, Supreet secured 320 marks. If he secured 80%, what is the maximum possible marks for which the examination was held.
11	Each side of a regular polygon is 6.5 cm in length. Its perimeter is 45.5 cm. how many sides does this polygon has?
12	Construct triangle ABC in which AB = 6.2cm, BC = 5.4cm, CA = 5cm.
13	Write all the corresponding parts if triangle ABC≅ triangle PQR
14	Draw a line AB and construct a line CD parallel to AB at a distance of 5.6cm
15	Find: (i) 43.5 x 6 (ii) 14.23 x 0.5 (iii) 9.6 x 12. 34 (iv) 27.48 ÷ 12 (v) 8.435 ÷ 35 (vi) 52 ÷ 0.13 (vii) 7.41 ÷ 0.3 (viii) 49.08 ÷ 1.2
16	If CAT ↔ NAP, then, ΔACT ≅ ----------
17	Prepare a frequency distribution table to organize the following data and answer the questions that follow. 41,36,17,50,36,55,24,45,12,16,28,25,19,29,36,45,18,34,26,17 (i) what is the median (i) Find its mean
18	The 3 angles of a triangle are in the ratio 2:3:5. Find the angles.
19	Bhupinder collected 77 stamps. Vikram collected 2 times more stamps than Bhupinder. How many stamps did Vikram collect?
20	Determine the time in which Rs. 2500 will amount to Rs. 3,500 at 8% simple interest per annum.
21	The letters of the word 'MATHEMATICS' are written on chits and put in a pouch. A chit is drawn at random. What is the probability that the chit has ----- (i) the letter 'M' on it (ii) a vowel on it (iii) a non-vowel on it
22	What should be added to $\frac{-14}{18}$ to get $\frac{5}{9}$?

23	**A man borrowed Rs. 15,000 at 6% p.a for 2 years. Find the amount to be paid at the end of 2 years.**
24	**At what rate % a sum of Rs. 3600 will become Rs 5040 in 5 years?**
25	**An article was sold for Rs. 4500 at a loss of 10%. Find its cost price.**
26	**The area of a triangle is 120 sq.cm. Find its height if base = 15cm**
27	**A garden is 100m long 85m wide. A path of uniform width 5m runs outside the garden. Find** **(i) the area of the path** **(i) the cost of cementing the path at the rate of Rs. 30 per m^2.**
28	**A park is 60m long and 50 m wide. Two cross roads 8m wide runs inside the park in the middle of the park. Find the (i) area of the park (ii) Area of the cross roads** **(iii) Area of the park excluding the cross roads.**
29	**The number of students in a class increased from 45 to 60. Find the increase %**
30	**In an examination, 4% students failed and 552 students passed. Determine the number of students appeared.**
31	**Find the perimeter of a rectangle whose length is 24 cm and diagonal is 26cm**
32	**Write three rational numbers in between** $-\frac{2}{3}$ **and** $-\frac{3}{4}$
33	**Write** $\frac{-5}{6}, \frac{-3}{8}, \frac{-2}{3}$ **in descending order.**
34	**Seema is thrice as old as Arun. If the sum of their ages is 56 years, what are their ages?**
35	**Solve: a) $5y - 2 = -12$ b) $14x - 17 = 3x + 5$**
36	**In the following figures find the value of x and y** 
37	**Simplify : [** $\frac{2}{3}$ **of** $\frac{6}{5}$ **] + [** $\frac{4}{5} - \frac{3}{5} \div \frac{3}{2}$ **]**
38	**Find the mean of first seven multiples of 8.**

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CLASS: 07	**PORTION FOR THE ANNUAL EXAMINATION**		**TOTAL MARKS - 80**
S.NO	**TOPIC**		
1	**TRIANGLES AND ITS PROPERTIES**	**6**	**DATA HANDLING**
2	**CONGRUENCE OF TRIANGLES**	**7**	**FRACTIONS AND DECIMALS**
3	**PRACTICAL GEOMETRY**	**8**	**RATIONAL NUMBERS**
4	**COMPARING QUANTITIES**	**9**	**SIMPLE EQUATIONS**
5	**PERIMETER AND AREA**		