WORK SHEET- 2

FIRST TERMEXAM, 2019 - 20

GRADE: VIII   **SUBJECT: MATHEMATICS**
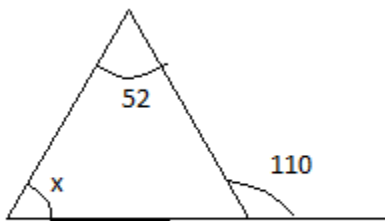
1. Solve the equations:
   (i). $6r + 7 = 13 + 7r$ (ii). $-7x - 3x + 2 = -8x - 8$ (iii). $-6n - 20 = -2n + 4(1 - 3n)$
   (iv). $8x + 4(4x - 3) = 4(6x + 4) - 4$ (v). $-3(x - 1) + 8(x - 3) = 6x + 7 - 5x$.
2. Twelve subtracted from ten times a number is equal to 88.Find the number.
3. Find the value of 'x'

4. The present age of Priya is twice the age of her cousin Rohit. 4 years later, the sum of their ages will
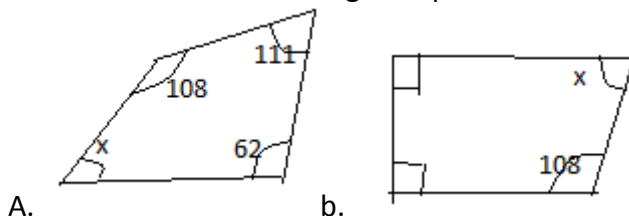   Be 32.what are their present ages?
5. What is the measure of any one exterior angle in a regular octagon?
6. Draw the given polygons and their diagonals
    A. Heptagon   B. Quadrilateral
7. Find the measures of x of the given quadrilaterals:

    A.   b.
8. What is the measure of the fourth angle of a parallelogram if the other 3 angles are given?
    A. $38°, 142°, 38°$ b. $104°, 76°, 76°$
9. Compare the properties of the given shapes.
    A. Rectangle & Parallelogram
    B. Square & parallelogram.
10. The perimeter of a parallelogram if 40 cm. The length of one its sides if 8 cm. What are the lengths of
    Its other 3 sides?
11. Construct a rhombus with the lengths of its 2 diagonals as follows.
    A. 12 cm and 6cm   B. 10 cm and 7 cm.
12. Construct quadrilateral LMNO with the given measurements

A. LM=7cm, LO=5 cm,$\angle L = 40°$; $\angle M = 90°, \angle O = 140°$
  B. LM=7cm, MN=7cm, NO=6cm, OL=7 cm, OM=5.5cm.

13. 5 Students were surveyed to determine the number of times they went to a fast food restaurant in
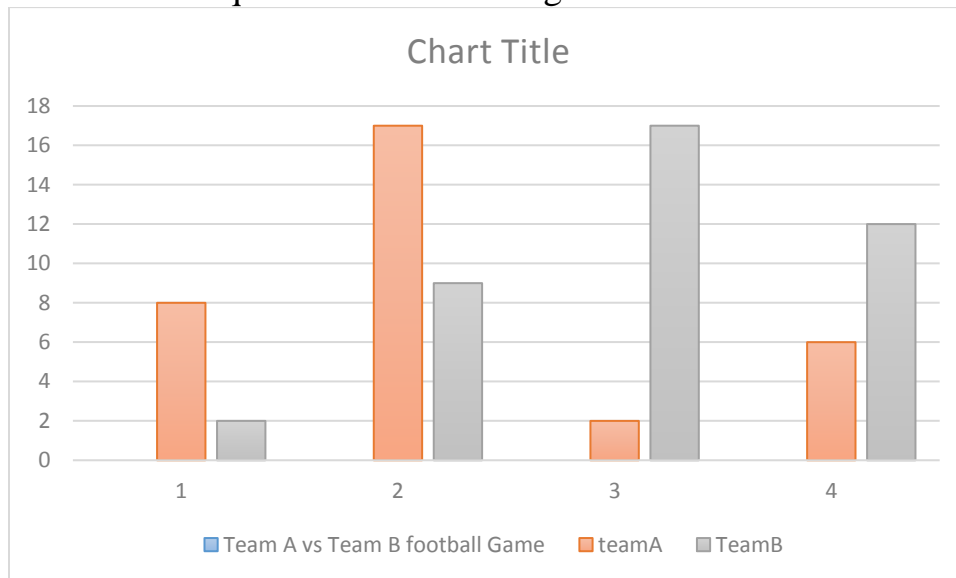   one week. This table shows the results. Draw a bar graph.

Name	Jai	Shalley	Jimmy	Amit	Monika
frequency	3	6	10	0	2

14. Draw a double bar graph for the given set of data

Year	2009	2010	2011	2012	2013
Company 1	2,500	2150	2000	3000	2,500
Company 2	2,250	2,400	2,500	2,300	2,750

15. Study this double bar graph illustrating the points scored by two teams, Team A and Team B
    In the four quarters of a football games.

A. which was team A's best quarter?
    B. which was team B's worst quarter?
    C. In the 4th quarter, how many more points did Team B score than Team A.?

16. Roja sells roses outside a temple. The number of roses she sells per day for a period of 15
    Days is 15,25,24,34,27,30,28,25,19,33,30,34,22,29,25.
    Draw a grouped frequency distribution table.

17. The scores for a 25-poit quiz are listed below:
    7,7,12,13,15,16,16,16,18,19,20,20,20,21,21,22,23,23,24. Using intervals of 5, draw a histogram.

=================BEST OF LUCK=================