

16.12.19 SUMMATIVE ASSESSMENT-2 Marks-80
 STD:VI MATHS-II Time-2½hrs

I. Choose the correct answer:

12x1=12

- Basic metric unit of length is _____.
 a. Metre b. Gram c. Litre d. weight
- 150kg 200g + 55kg 750g = _____ kg _____ g.
 a. 200kg 950g b. 205kg 950g
 c. 250kg 800g d. 300kg 400g
- 2 days = _____ hours.
 a. 38 b. 48 c. 28 d. 40
- The sum of three angles of a triangle is _____.
 a. 90° b. 180° c. 140° d. 360°
- Every triangle has atleast _____ acute angles.
 a. 2 b. 3 c. 4 d. 1
- 485.932 x 10 = _____.
 a. 48593.2 b. 4859.32 c. 4.85932 d. 485932
- A triangle has _____ vertices.
 a. 4 b. 3 c. 2 d. 1
- $\frac{1}{2}$ kg = _____ g.
 a. 500 b. 250 c. 750 d. 1000
- The angles of a right angled triangle are _____.
 a. acute, acute, obtuse b. acute, right, right
 c. right, obtuse, acute d. acute, acute, right
- a.m. means _____.
 a. ante meridiem b. Acute Meridiem
 c. Ante Material d. Acute Material

11. The distance between a set of parallel lines always remain the
 a. same b. different c. add d. product

12. 1 Decade = _____ years.

- a. 10 b. 100 c. 1 d. 1000

II. Match the following:

5x1=5

13. 2.20 - quarter past 4
 14. No sides are equal - 20 minutes past 2
 15. 4.15 - 1 century
 16. All sides are equal - Scalene triangle
 17. 100 years - Equilateral Triangle

III. Write True or False:

5x1=5

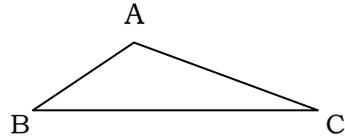
18. In an isosceles triangle two angles are equal.
 19. Pugazhenthai ate 100g of nuts which is equal to 0.1 kg.
 20. Vanmathi bought 4 books each weighing 500g. Total weight of 4 books is 2 kg.
 21. Meena bought 250ml of buttermilk which is equal to 2.5l.
 22. Vicky bag 1 kg 250 g and Sairam bag 2kg 750g. The total weight of their bags 4 kg.

IV. Answer any eight of the following:

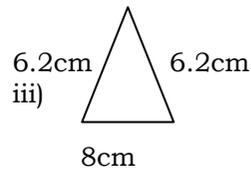
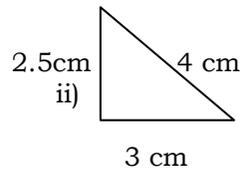
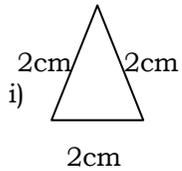
8x3=24

23. Covert into indicated units.
 4km and 700m into m
24. Convert the following 3 $\frac{1}{2}$ hours into minutes.
25. Subtract 10 hours 20 minutes 35 seconds from 12 hours 18 minutes 40 seconds.

26. In $\triangle ABC$, name the three sides, three angles and three vertices.



27. Classify the given triangle based on its sides as scalene, isosceles or equilateral.



28. Two angles of a triangle is given. Find the third angle.
 $55^\circ, 85^\circ$

29. Can a triangle be formed with the following angles? If yes name the type of triangle?
 $60^\circ, 40^\circ, 42^\circ$

30. Calculate the duration of Time. From 2.30pm to 11.45 pm.

31. Compare and put $>$ or $<$ or $=$ in the following:

i. $800g + 150g$ $1kg$.

ii. $88cm$ $8m 8cm$

iii. $600ml + 400ml$ $1l$.

32. Find the type of triangles based on their sides.

i. $10cm, 8cm, 8cm$ –

ii. $2.2cm, 2.2cm, 2.2cm$ –

iii. $6cm, 7cm, 8cm$ –

VI. Answer any four of the following:

$4 \times 4 = 16$

33. The duration of electricity consumed by the farmer for his pumpset on Monday and Tuesday was 7 hours 20 Minutes 35 Seconds and 3 hours 44 Minutes 50 seconds respectively Find the total duration of consumption of electricity.

34. Maran walks 1.5Km everyday to reach the school while Mahizhan walks 1300m. Who walks more distance and by how much?

35. The Saplings are planted at a distance of 2m 50cm in the road of length 5km by Saravanan. If he has 2560 Saplings, how many Saplings will be planted by him? How many Saplings are left?

36. If one angle of an isosceles Triangle is 124° , then find the other angles.

37. Can a triangle be formed with the following sides? If yes, name the type of triangle.

$10cm, 8cm, 5cm$

38. i. Convert 480 days into years.

ii. Change the following into 24 hours format.

a. 3.15am

b. 7.30 pm

V. Geometry:

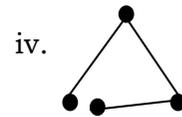
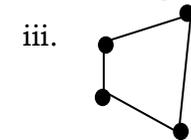
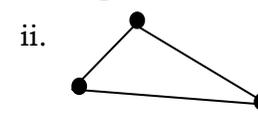
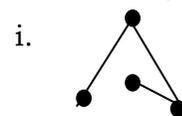
$1 \times 8 = 8$

39. Draw a line segment $AB = 7cm$ and mark a point P on it. Draw a line perpendicular to the given line segment at P.

VI.FBT:

$2 \times 5 = 10$

40. Classify the given shapes into triangle and non triangle. (5)



41. How do you buy rice, milk, cloth from the shop. (In units) (3)

42. How do you measure height and weight. (In units) (2)