



La Verne Academy Inc.

"Educating the Mind, Transforming the Heart,
Nurturing the Spirit and Strengthening the Physique"

B29 L20-23 Washington St., Golden City Subd., Anabu IIF, Imus City, Cavite
Intermediate Department
School Year 2021 – 2022



Third Quarterly Test

Name: _____

Date: February, 2022

Subject Area: Mathematics 5

Teacher: SIR DEN

General Instruction: Answer the given problems.

I. Multiple Choice: Choose the best answer.

- It is a comparison of two or more quantities.
a. ratio
b. proportion
c. equation
d. percentage
- Two ratios are proportion when _____.
a. they are equal
b. they both more than 1
c. they are both 0
d. none of the above
- Which among the ratios are proportion?
a. $1:2 = 2:3$
b. $1:2 = 3:4$
c. $1:2 = 10:20$
d. $1:2 = 11:12$
- In the class of grade 5, there are 12 boys for every 10 girls. The ratio of boys to girls is _____.
a. $12 : 10$
b. $2 : 1$
c. 6 to 5
d. 1 to 2
- Matt sold 35 tickets to the school play and Renee sold 45 tickets. What is the ratio of the number of tickets Matt sold to the number of tickets Renee sold?
a. $9/7$
b. $7/9$
c. $7/16$
d. $16/7$
- Which ratios are equal to $4 : 32$?
a. $2 : 16$
b. $4 : 16$
c. $1 : 4$
d. $2 : 32$
- Find a ratio equivalent to $27/81$.
a. $3:10$
b. $1:3$
c. $9:9$
d. $5:9$
- Solve for x: $3:4 = x:8$
a. 6
b. 7
c. 8
d. 9
- Solve for x: $12:9 = 4:x$
a. 1
b. 27
c. 3
d. 30
- In a geometry class, the ratio of boys to girls is 2 to 3. If there are 20 students in this class, how many girls are there?
a. 8
b. 10
c. 12
d. 14
- What percent is 5 in 20?
a. 5%
b. 25%
c. 20%
d. 50%

12. How much it cost for a dress if the discount is 10% in its original price of 300 pesos?

- a. ₱270
- b. ₱280
- c. ₱290
- d. ₱300

13. There are 13 teachers in LVAI, 4 are male, the ____% are male teachers.

- a. 30.76
- b. 3.76
- c. 3.25
- d. 307.6

A box contains fruits, 25 apples, 8 mangoes, 7 oranges, and 12 bananas.

14. What percent of the fruits are oranges?

- a. 48.08%
- b. 13.46%
- c. 15.38%
- d. 23.08%

15. What percent of the fruits are apple?

- a. 48.08%
- b. 13.46%
- c. 15.38%
- d. 23.08%

16. What percent of the fruits are bananas?

- a. 48.08%
- b. 13.46%
- c. 15.38%
- d. 23.08%

17. What percent of the fruits are mangoes?

- a. 48.08%
- b. 13.46%
- c. 15.38%
- d. 23.08%

18. If Dennis got 92% on a test, which has a total of 50 items, how many items did he answer correctly?

- a. 46
- b. 45
- c. 44
- d. 43

19. A ____ is flat and is composed of endless points that extend to all direction.

- a. line
- b. point
- c. plane
- d. ray

20. Which of the following is NOT considered quadrilateral?

- a. Square
- b. Triangle
- c. Rhombus
- d. Trapezoid

21. What do you called a polygon that has 7 sides?

- a. hexagon
- b. heptagon
- c. octagon
- d. nonagon

22. What do you called a polygon that has 7 sides?

- a. Hendecagon
- b. Dodecagon
- c. Pentagon
- d. Hexagon

23. It is a plane figure made up of points that are fixed distance from a fixed point.

- a. Square
- b. Triangle
- c. Circle
- d. Quadrilateral

24. It is a segment bounded by a chord and an arc of a circle.

- a. radius
- b. arc
- c. diameter
- d. segment

25. The diameter of a circular clock is 28 cm. What is the radius of the clock?

- a. 26 cm
- b. 14cm
- c. 20cm
- d. 56cm

26. The radius of a basketball ball measures 8cm, what is the diameter of the ball?

- a. 4cm
- b. 12
- c. 10cm
- d. 16cm

27. The sides of triangle ABC measures, 5 cm, 9cm, and 5cm, respectively. It is called a/an _____ triangle.

- a. right
b. acute
c. isosceles
d. scalene
28. The sides of triangle measures, 12m, 12m, 12m. It is called?
a. right
b. acute
c. scalene
d. equiangular
29. Which statement is true?
a. all squares are rectangles.
b. a rhombus is a square
c. all rectangles are square
d. a trapezoid is parallelogram
30. What is the sum of all interior angle of a quadrilateral?
a. 45°
b. 90°
c. 180°
d. 360°

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