THIRD PERIODICAL TEST IN MATHEMATICS V

Name: _____ Score: _____
Grade/Section:_____ Date: _____

I. Choose the letter of the correct answer.

1. Change $\frac{33}{100}$ into decimal number.
   a. 0.33 b. 3.3 c. 3.30 d. 3.33

2. What do you call the underlined digit in this mathematical sentence, 25% of 8 = 2?
   a. base b. rate c. percentage d. ratio

3. What is asked in this mathematical problem, 32 is what percent of 80?
   a. base b. rate c. percentage d. proportion

4. Two of the 50 pieces of tomatoes in a basket are rotten. This is 4% of all the tomatoes in the basket. Which is the rate?
   a. 2 b. 4% c. 48 d. 50

5. 25% of what number is 12?
   a. 0.021 b. 2.083 c. 3 d. 48

6. Marco, a basketball player, usually scores 80% of his field shots. If he attempted 40 field shots during the game, how many did he score?
   a. 0.02 b. 2 c. 8 d. 32

7. James' grade in Math increased by 15%. If his last grade is 80, what is his grade now?
   a. 82 b. 85 c. 88 d. 92

8. There are 45 pupils in a class. 40 pupils are present. What percent of the class are absent?
   a. 8% b. 11% c. 89% d. 90%

9. What do you call the endpoints where the sides of a polygon meet?
   a. angle b. line segments c. vertices d. corner

10. What do you call a polygon with twelve sides?
    a. heptagon b. nonagon c. nodecagon d. dodecagon

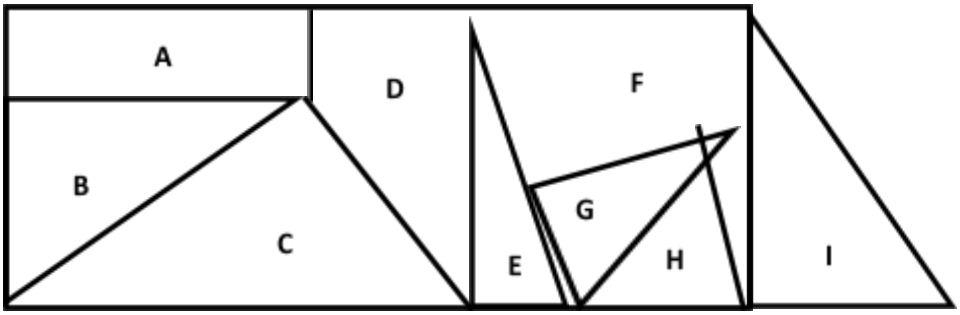
11. Polygons are classified according to _____.
    a. line segments b. vertices c. corners d. number of sides

12. What do you call the polygons with equal sides?
    a. regular polygons b. irregular polygons
    b. congruent polygons d. similar polygons

13. What do you call the polygons with the same size and shape?
    a. regular polygons b. irregular polygons
    b. congruent polygons d. similar polygons

14. Which of the following statements DO NOT describe similar polygons?
   a. They have exactly the same shape.
   b. The corresponding interior angles are the same.
   c. The corresponding sides of each polygon are in the same proportion.
   d. The corresponding sides of each polygon have different measurement of sides.

Study the figure. (for items 15-17)



15. Base on the figure above, which polygons are congruent?
   a. B and C b. G and H c. B and E d. B and I

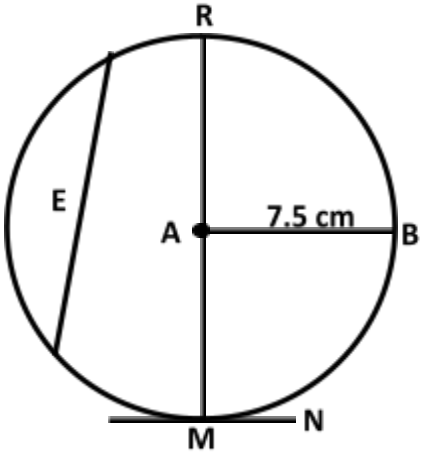
16. What polygon can you form by combining B, C and D?
   a. hexagon b. octagon c. nonagon d. decagon

17. Which of the following DOES NOT form a pentagon?
   a. A, B and C b. F, G and H c. D and E d. C and D

18. What do you call a closed plane figure that is not made up of line segments?
   a. triangle b. circle c. octagon d. sphere

19. How do we name a circle?
   a. by its radius b. by its diameter c. by its center d. by its side

Study the figure. (for items 20-24)



20. What do you call line segment N?

a. radius b. diameter c. secant d. tangent

21. What do you call the distance from point R to point M?
a. radius b. diameter c. secant d. tangent

22. What is the diameter of the circle?
a. 7.5 cm b. 14.10 cm c. 15 cm d. 22.5 cm

23. What is the circumference of the circle?
a. 15 cm b. 23.55 cm c. 47.10 cm d. 176.625 cm

24. What is the circumference of the circle if the radius is increased by 2.5 cm?
a. 20 cm b. 31.40 cm c. 62.80 cm d. 117.75 cm

25. What do you call the instrument that is used in drawing circles?
a. ruler b. compass c. protractor d. triangle

26. These are three dimensional figure made up of plane figure whose all sides are joined together to form a close figure.
a. polygons b. circles c. prisms d. spatial figures

27. A spatial figure with two circular bases, no edges and no vertices.
a. cone b. cylinder c. pyramid d. sphere

28. A spatial figure with a circular base and one vertex.
a. cone b. cylinder c. pyramid d. sphere

29. How many faces a cube has?
a. 2 b. 4 c. 6 d. 8

30. What is the missing term in this number sequence 2, 4, 12, ____, 240?
a. 14 b. 24 c. 48 d. 60

31. Find the missing term in this number sequence 82, 81, 78, ____, 66?
a. 69 b. 73 c. 75 d. 76

32. What is the rule in this number sequence 1, 6, 27, 124, 645?
a. x2, +2, x3, +3…. b. +5 c. +2, x2, +3, x3…. d. +6, -1

33. Convert 1:24 pm in 24 hours clock times.
a. 0124 b. 13:24 c. 1324 d. 1240

34. 24 hour clock time is also known as _____.
a. regular time b. ante meridian d. post meridian d. military time

35. What is 0000 in 12 hour clock time?
a. 12 noon b. 12 midnight c. 1:00 am d. 1:00 pm

36. What is 9:00 pm in 24 hour clock time?
a. 0900 b. 2100 c. 900 d. 9000

II. Answer the following questions base on the chart.

Study the chart. (for items 37-40)

Subjects	Time
EsP	7:30 am
English	7:50 am
MAPEH	8:40 am
Recess	9:30 am
Science	10:00 am
Araling Panlipunan	10:50 am
Lunch	11:30 am
EPP	1:00 pm
Filipino	1:50 pm
Math	2:50 pm
Dismissal	3:50 pm

37. What time is the dismissal time using 24 hour clock time?
38. What time is the English period using 24 hour clock time?
39. How many minutes do they consume in recess?
40. How many hours do they have for studying Mathematics?

III. Solve the following problems.

41. When Edgin rode on a bus, he noticed some people sitting. At the next bus stop, 5 people got on and 2 people got off. Two stops later, 7 people got on. All 15 people got off the bus at the terminal station. How many people were in the bus when Jose got on the bus?

42. Carla has some stickers. Kezia had 4 times as many as Carla but gave 5 to her sister and now she had 7. How many stickers does Carla have?

43. JC made 4 pans of pizza. He gave 18 slices to his classmates and 16 slices to his cousins. There were 6 slices of pizza left. If each of the 4 pans had the same slices of pizza, how many slices were there in each pan at the start?

44. Carol went shopping yesterday. She bought 2 CDs for 16.00 each, a notebook for 12.00 and bottle of shampoo for 64.00. When Carla paid her purchases, the cashier gave her 92.00 in change. How much money did Carla give the cashier?

45. Mrs. Villamor is going to Dubai to meet her husband who is working in a hospital as a doctor. She will leave the Philippines at 2:15 pm. The duration of her flight will be 4 hours and 20 minutes. If she arrived at 2:35 pm in Dubai's time, how many hours is the time difference of the two countries?

46. Mark has a busy day planned today. He will meet his friend James at the arcade. That is a 15 minute walk from home. They will stay at the arcade for one hour and 30 minutes. Then they will take a 10 minute walk to the park. The first thing they will do there is to grab a hotdog from Gelry's Hotdog Truck. If Mark left home at 10:00 am, what time did he and James get in line for a hotdog?

47. Bea's favorite television show starts at 4:30 pm. If she gets home from school at 2:15 pm., how long does she have to wait until the show starts?

48. A plate has a radius of 5.5 inches. What is the circumference of the plate?

49. The diameter of a circular rug is 34 inches. What is the circumference?

50. How many circles with a diameter of 4 inches can be cut from a cartolina if the cartolina has a length of 35 inches and a width of 10 inches?

Table of Specification

Third Periodical Test in Mathematics V

Learning Competencies	Number of Items	Item Placement	Percentage
1. Visualizing Percent and its Relationship to Fractions, Ratios and Decimal Numbers Using Models	1	1	2%
2. Identify the Base, Percentage and Rate in the Problem	3	2,3,4	6%
3. Finding the Percentage in a Given Problem	1	6	2%
4. Solving Routine and Non-routine Problems Involving Percentage Using Appropriate Strategies and Tools	3	5,7,8	6%
5. Visualizing, Naming and Describing Polygons with 5 or More Sided Polygons	5	9,10,11,16,17	10%
6. Describes and Compares Properties of Polygons (Regular and Irregular Polygons)	1	12	2%
7. Visualizing Congruent Polygons	3	13,14,15	6%
8. Visualizing and Describing a Circle	5	18,19,20,21,22	10%
9. Drawing of Circles with Different Radii Using a Compass	1	25	2%
10. Visualizing and Describing Solid Figure	4	26,27,28,29	8%
11. Formulating the Rule in Finding the Next Term in Sequence	3	30,31,32	6%
12. Using Different Strategies (Looking for a Pattern, Working Backwards, etc.) to Solve for Unknown in Simple Equations Involving One or More Operations on Whole Numbers and Fraction	4	41,42,43,44	8%
13. Measures Time Using a 12-Hour and 24-hour Clock	8	33,34,35,36, 37,38,39,40	16%
14. Calculating Time in the Different World Time Zones in Relation to the Philippines	3	45,46,47	6%
15. Finding the Circumference of a Circle	2	23,24	4%
16. Solving Routine and Non-Routine Problems Involving Circumference of a Circle	3	48,49,50	6%

Answer Key

1. A
2. B
3. B
4. B
5. D
6. D
7. D
8. C
9. C
10. D
11. D
12. A
13. B
14. D
15. D
16. A
17. B
18. B
19. C
20. D
21. B
22. C
23. C
24. C
25. B
26. D
27. B
28. A
29. C
30. C
31. B
32. C
33. C
34. D
35. B
36. B
37. 1550
38. 0750
39. 30 MINUTES
40. 1 HOUR
41. 5 PEOPLE
42. 3 – CARLA'S STICKERS
43. 10 SLICES IN EACH PAN
44. 200.00
45. 4 HOURS
46. 11:55 AM
47. 2 HOURS & 15 MINS.

48. 34.54 INCHES
49. 106.76 INCHES
50. 27 CIRCLES