FIRST PERIODICAL EXAMINATION IN MATHEMATICS 4

Name: _____ Score:_____
Grade and Section: _____ Date: _____

Direction: Choose the letter of the best answer.

Different angles (right, acute, and obtuse) using models.

1. Which of the following activities best helps you identify a right angle in your surroundings?
   a) Observing the corner of a classroom table
   b) Measuring the length of a bamboo stick
   c) Comparing the height of two trees
   d) Estimating the distance between two houses
2. If you are standing at the corner of a rectangular classroom and facing directly ahead, what type of angle are you making with the adjacent wall?
   a) Acute angle
   b) Right angle
   c) Obtuse angle
   d) Straight angle

Measure and draw angles using a protractor.

3. When using a protractor to measure the angle formed by the hands of a clock at 3:00 PM, what should the measurement be?
   a) 90 degrees
   b) 60 degrees
   c) 45 degrees
   d) 120 degrees
4. If you were to draw a 135-degree angle using a protractor, which of the following angles best describes the type of angle created?
   a) Right angle
   b) Acute angle
   c) Obtuse angle
   d) Straight angle

Draw and state the properties of triangles and quadrilaterals.

5. Which of the following statements is true about a scalene triangle?
   a) All sides are equal.
   b) All angles are equal.
   c) No sides are equal.
   d) It has one right angle
6. You are asked to draw a quadrilateral with only one pair of parallel sides. Which shape should you draw?
   a) Square
   b) Rectangle
   c) Parallelogram
   d) Trapezoid

Classify triangles and quadrilaterals according to sides and angles.

7. Which type of triangle has all three sides of different lengths?
   a) Equilateral triangle
   b) Isosceles triangle
   c) Scalene triangle
   d) Right triangle
8. A quadrilateral has two pairs of equal sides and one pair of opposite angles that are equal. What is the name of this quadrilateral?
   a) Rhombus
   b) Rectangle
   c) Parallelogram
   d) Kite

Differentiate different quadrilaterals.

9. Which of the following characteristics best differentiates a rectangle from a rhombus?
   a) All sides are equal in a rectangle.
   b) Opposite angles are equal in a rectangle.
   c) All angles are right angles in a rectangle.
   d) Opposite sides are parallel in a rhombus.

10. A square and a rhombus both have all sides equal. What property does a square have that a rhombus does not?
    a) Equal angles
    b) Parallel sides
    c) Right angles
    d) Diagonals bisect each other

Find the perimeter of quadrilaterals that are not squares or rectangles.

11. If you are asked to find the perimeter of a trapezoid with sides measuring 5 cm, 8 cm, 12 cm, and 7 cm, what is the total perimeter?
    a) 24 cm
    b) 30 cm
    c) 32 cm
    d) 40 cm
12. Mang Juan is building a bamboo fence around a plot of land shaped like a parallelogram. If the lengths of the sides are 15 meters and 20 meters, what is the total length of bamboo he needs?
    a) 35 meters
    b) 50 meters
    c) 70 meters
    d) 100 meters

Find the perimeter of composite figures composed of triangles and quadrilaterals.

13. A garden is shaped like a rectangle with a length of 10 meters and width of 4 meters, what is the perimeter of the entire garden?
    a) 26 meters
    b) 32 meters
    c) 28 meters
    d) 44 meters
14. A bahay kubo (nipa hut) has a square base. If each side of the square is 8 meters, what is the total perimeter of the bahay kubo?
    a) 32 meters
    b) 36 meters
    c) 44 meters
    d) 52 meters

Higher-Order Thinking Skills Questions

15. If you combine two congruent right triangles, what shape could you possibly create?
    a) Square
    b) Parallelogram
    c) Trapezoid
    d) Rectangle
16. You are given a quadrilateral with no right angles and sides that are all of different lengths. Which of the following best describes this shape?
    a) Trapezoid
    b) Rhombus
    c) Scalene quadrilateral
    d) Irregular quadrilateral
17. When dividing a rhombus into two congruent triangles, what type of triangles are formed?
    a) Right triangles
    b) Isosceles triangles
    c) Scalene triangles
    d) Equilateral triangles
18. A quadrilateral has four sides of equal length, but no right angles. What is the name of this quadrilateral?
    a) Square
    b) Rectangle
    c) Rhombus
    d) Kite
19. Which strategy would be most effective in determining the perimeter of a composite figure that includes a rectangle and a semicircle?
    a) Add the perimeters of both shapes directly.
    b) Find the perimeter of the rectangle and add it to the circumference of the semicircle.
    c) Calculate the perimeter of the rectangle and then subtract the diameter of the semicircle.
    d) Multiply the perimeter of the rectangle by the area of the semicircle.
20. If a quadrilateral has one pair of parallel sides, equal opposite angles, and one pair of unequal sides, what type of quadrilateral could this be?
    a) Parallelogram
    b) Rectangle
    c) Trapezoid
    d) Kite

Read and write numbers up to 1,000,000 in numerals and in words.

21. Mang Juan harvested ₱150,000 worth of rice this season. How do you write ₱150,000 in words?
    a) One hundred fifty thousand pesos
    b) Fifteen thousand pesos
    c) One hundred five thousand pesos
    d) One thousand fifty pesos
22. Which of the following is the correct numeral for “six hundred twenty-four thousand three hundred fifty-two”?
    a) 624,352
    b) 624,532
    c) 642,352
    d) 642,532

23. If a barangay has a population of two hundred ninety-five thousand eight hundred fourteen, how is this number written in numerals?
    a) 295,814
    b) 295,841
    c) 259,814
    d) 259,841
24. Which is the correct way to write the numeral 879,065 in words?
    a) Eight hundred seventy-nine thousand sixty-five
    b) Eight hundred seventy-nine thousand and sixty-five
    c) Eight hundred seventy-nine thousand six hundred five
    d) Eight hundred seventy-nine thousand six hundred sixty-five

Place value of a digit in a 6-digit number, the value of a digit, and the digit of a number given its place value.

25. What is the place value of 3 in the number 436,712?
    a) Ten thousand
    b) Hundred thousand
    c) Thousand
    d) Hundred
26. In the number 582,419, what is the value of the digit 8?
    a) 80,000
    b) 8,000
    c) 800
    d) 80
27. If a digit in the ten-thousands place is 7 and the number is 672,345, what is the value of 7?
    a) 70,000
    b) 7,000
    c) 700
    d) 7
28. In the number 743,815, what digit is in the hundreds place?
    a) 8
    b) 4
    c) 3
    d) 5

Compare numbers up to 1,000,000 using =, < and >.

29. Which of the following is true about the numbers 523,841 and 523,481?
    a) 523,841 > 523,481
    b) 523,841 < 523,481
    c) 523,841 = 523,481
    d) None of the above
30. Compare the following numbers: 875,239 and 875,932. Which statement is correct?
    a) 875,239 > 875,932
    b) 875,239 < 875,932
    c) 875,239 = 875,932
    d) 875,239 + 875,932 = 1,751,171
31. Which symbol correctly compares the numbers 678,215 and 678,512?
    a) 678,215 > 678,512
    b) 678,215 < 678,512
    c) 678,215 = 678,512
    d) 678,215 + 678,512 = 1,356,727
32. How does the number 940,007 compare to 940,700?
    a) 940,007 > 940,700
    b) 940,007 < 940,700
    c) 940,007 = 940,700
    d) None of the above

Round numbers to the nearest hundred thousand.

33. If you round 789,235 to the nearest hundred thousand, what is the result?
    a) 700,000
    b) 800,000
    c) 750,000
    d) 790,000
34. What is 642,789 rounded to the nearest hundred thousand?
    a) 640,000
    b) 600,000
    c) 650,000
    d) 700,000
35. Barangay San Juan has a population of 324,567. What is this number when rounded to the nearest hundred thousand?
    a) 300,000
    b) 320,000
    c) 325,000
    d) 400,000
36. If a family's yearly income is ₱254,672, what is this amount rounded to the nearest hundred thousand?
    a) ₱200,000
    b) ₱250,000
    c) ₱300,000
    d) ₱255,000

Estimate the sum and difference of two 5- to 6-digit numbers by rounding the addends to the nearest large place value of the numbers.

37. Estimate the sum of 345,678 and 123,456 by rounding to the nearest hundred thousand.

a) 500,000
b) 600,000
c) 700,000
d) 800,000

38. Estimate the difference between 765,432 and 345,678 by rounding to the nearest hundred thousand.
    a) 300,000
    b) 400,000
    c) 500,000
    d) 600,000

Add numbers with sums up to 1,000,000 and subtracts

39. A store earned ₱125,678 in January and ₱234,567 in February. What is the total earnings for both months?
    a) ₱350,000
    b) ₱360,245
    c) ₱360,235
    d) ₱360,345
40. A company spent ₱895,620 on supplies and ₱345,678 on employee salaries. What is the total expenditure?
    a) ₱1,241,298
    b) ₱1,241,298
    c) ₱1,241,198
    d) ₱1,241,19

ANSWER KEY:

1. **A**
2. **B**
3. **A**
4. **C**
5. **C**
6. **D**
7. **C**
8. **D**
9. **C**
10. **C**
11. **C**
12. **C**
13. **C**
14. **A**
15. **D**
16. **D**
17. **B**
18. **C**
19. **B**
20. **C**
21. **A**
22. **A**
23. **A**
24. **A**
25. **A**
26. **A**
27. **A**
28. **A**
29. **A**
30. **B**
31. **B**
32. **B**
33. **B**
34. **B**
35. **A**
36. **C**
37. **A**
38. **B**
39. **B**
40. **A**

TABLE OF SPECIFICATIONS
FIRST PERIODICAL EXAMINATION IN MATHEMATICS 4

Learning Competencies	No. of Days	Percentage	No. of Items	Item Placement Under Each Cognitive Domains					
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Measurement and Geometry (MG) *1. illustrate different angles (right, acute, and obtuse) using models.* *2. measure and draw angles using a protractor.* *3. draw and state the properties of triangles and quadrilaterals.* *4. classify triangles and quadrilaterals according to sides and angles.* *5. differentiate different quadrilaterals.* *6. find the perimeter of quadrilaterals that are not squares or rectangles.* *7. find the perimeter of composite figures composed of triangles and quadrilaterals.*	20	50%	20		3 4	1 2 5 6 11 12 13 14	7 8 9 10	15 16 17 18 19 20	
Number and Algebra (NA) *8. read and write numbers up to 1 000 000 in numerals and in words.* *9. determine a. the place value of a digit in a 6-digit number, b. the value of a digit, and c. the digit of number, given its place value.* *10. compare numbers up to 1 000 000 using =, < and >.* *11. round numbers to the nearest hundred thousand.* *12. estimate the sum and difference of two 5- to 6-digit numbers by rounding the addends to the nearest large place value of the numbers.* *13. add numbers with sums up to 1 000 000 and subtracts numbers where both numbers are less than 1 000 000, with and without regrouping*	20	50%	20		21 22 23 24 25 26 27 28 39 40	33 34 35 36	29 30 31 32	37 38	
TOTAL	40	100%	40	0	12	12	8	8	0

Prepared by:

Master Teacher I

Contents Checked and Noted:

Principal II