Republic of the Philippines

Department of Education

REGION III-CENTRAL LUZON
SCHOOLS DIVISION OF ZAMBALES
PUNDAKIT ELEMENTARY SCHOOL
BRGY. PUNDAQUIT, SAN ANTONIO, ZAMBALES

THIRD PERIODICAL TEST IN MATHEMATICS 6
SY 2023-2024

Name:_____ Date : _____

Grade & Section: _____ Teacher: _____

Direction: Choose the letter of the correct answer and write it on a sheet of paper.

1. What solid figure is described by a dice?

A. cone B. cube C. prism D. pyramid

2. What solid figure is described by a water hose?

A. circle B. cylinder C. prism D. pyramid

3. It is where the edges of a solid meet.

A. base B. face C. length D. vertex

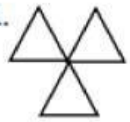
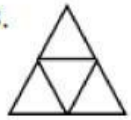
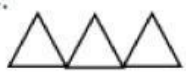
4. How many lateral faces does a cube have?

A. eight B. four C. six D. none

5. These are the three dimensions a solid figure, **except one**.

A. beat B. height C. length D. width

6.Which is a net of a pyramid?

A. 
B. 
C. 
D.

7. What is the next number in the sequence 5,9,14, 20?

A.24 B. 25 C. 26 D. 27

8. Find the next number in sequence 36,30,24,18, _____?

A.12 B. 13 C. 14 D. 15

9. Supply the missing term in 10, 13, _____, 19, 22, 25.

A.15 B. 16 C. 17 D. 18

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10. Find the 6th term in 11, 13, 16, 20,..?

A.30 B. 31 C. 32 D. 33

11. What will be the 9th term in the sequence 53, 48, 43, 38,.....?

A.11 B. 12 C. 13 D. 14

12. What is the missing term in the sequence? 82, 77, ___ 67, 62

A. 70 B. 71 C. 72 D. 73

13. The sum of twelve and nineteen.

A. 12 x 19 B. 12 + 19 C. 12 - 19 D. 12 ÷ 19

14. Eight decreased by six

A. 8 – 6 B. 8 x 6 C. 8 + 6 D. 8 ÷ 6

15. Twelve plus thirty-five

A. 12 + 35 B. 12 x 35 C. 12 - 35 D. 12 ÷ 5

16. 9 – 7

A. seven more the nine
B. seven less than nine
C. seven increased by nine
D. seven divided by nine

17. 6 (3 + 2)

A. Six times the sum of two and three
B. Six less than the sum of two and three
C. Six divided by the sum of two and three
D. Six added to the sum of two and three

18. Twice a number less eight is multiplied by one more than three times the number.
A. (2x – 8) (1 + 3x)
B.(8X-2) (3X + 1)
C. (3X + 2X) (2X-1)
D. (3X-1) (8 -2X)

19. Mario weighs s kilograms. Express algebraically his weight after he gained 2.5 kilograms.
A. s – 2 B. s + 2 C. s - 2.5 D. s + 2.5

20. Remia is g centimeters tall. Mary's height is 4 less than thrice the height of Remia. How tall is Mary algebraically?
A. 4g – 3 B. 3g – 4 C. 3g + 2 D. 4g + 3

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21. Samantha is y years old now. Write an algebraic equation for Samantha's age if her age 5 years from now is 17.
A. y – 5 = 17 B. y – 5 = 17 C. y + 5 = 17 D. y + 17 = 5

22. Mr. and Mrs. Villa own a laundry shop. They had 134 customers this week, 18 fewer than last week. Write an algebraic equation for the number of customers they had last week.
A. c – 18 = 134 B. c – 134 = 18 C. c + 18 = 134 D. c + 134 = 18

23. Aling Wilma, when asked about her age, replies, "I am six years older than twice the age of my youngest child." Express her age in algebraic equation if her age now is 66.
A. 2a - 6 = 66 B. 6a + 2 = 66 C. 6a – 2 = 66 D. 2a + 6 = 66

24. Alex has D snacks. Miley has four fewer snacks than Alex. Write an expression for Miley's snacks?
A. 4 + D B. D - 4 C. D + 4 D. 4 – D

25. Jeffrey drives a car with a speed of 70 kph for 3 hrs and 30 minutes. How many kilometers did Jeffrey drive?
A. 20 km B. 120 km C. 180 km D. 245 km

26. A bus is moving at the speed of 60 kph. How many hours will it take for the bus to travel a 210km?
A. 3.5 h B. 4.5 h C. 5.5 h D. 6.5 h

27. A man jogs 150m in 10minutes. What is the speed of the man?
A. 35 m per min B. 30 m per min C. 20 m per min D. 15 m per min

28. If the speed of the truck is 55 kph and it travels for 14 hours, how far did the truck travel?
A. 768 km B. 769 km C. 770 km D. 771 km

29 . Calculate the time given the following condition: speed = 6 m/s and distance = 7200 m
A. 1200 min B. 1250 min C. 1300 min D. 1350 min .

30.A typhoon is moving at the speed of 80 kph. How many kilometers will it travel for 2 hours and 30 minutes?
A. 200 km B. 205 km C. 210 km D. 215 km

31. What is the formula in finding the area of a rectangle.
A. 1ength + width C. length x width
B. length - width D. length ÷ width

32. To find the area of a circle the formula is _____.
A. πd B. $2\pi r^2$ C. πr D. πr^2

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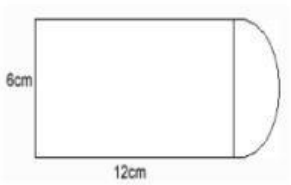
33. The formula 1 /2 bh is used to find the area of _____.
A. parallelogram B. rectangle C. square D. triangle

34. What is the area of the semi-circle whose radius is 7 cm?
A. 75 cm^2 B. 76 cm^2 C. 77 cm^2 D. 78 cm^2

35. A semi-circle park has a diameter of 7 m. What is the area?
A. 19.25 m^2 B. 18.25 m^2 C. 17.25 m^2 D. 16.25 m^2

36.



A. 86.11 cm^2 B. 86.12 cm^2 C. 86.13 cm^2 D. 86.14 cm^2

37. The sum of areas of all faces of a solid figure is called_____
A. circumference B. perimeter C. surface area D. volume

38. The unit for surface area is _____.
A. cubic unit B. linear unit C. square unit D. weight unit

39. Which of the following visualizes the surface area of a solid figure?
A. lengths B. nets C. vertices D. circumference

40. In a cylinder, the edge or length of the lateral surface is equal to _____ of its base.
A. circumference B. perimeter C. radius D. width

41. The lateral surface of a cylinder when it is unrolled will be _____
A. rectangle B. trapezoid C. triangle D. All of the above

42. The solid figure that has surface area equivalent to four times the areas of circles of the same radii is _____.
A. cube B. cone C. tetrahedron D. sphere

43. To get the lateral area of a cone, we use the formula _____.
A. $L.A. = \pi r^2$ B. $L.A. = \pi rs$ C. $L.A. = \pi rh$ D. $L.A. = rh$

44. If each edge of the small box is 5cm, what is the total surface area of the small box?
A. 25cm^2 B. 50cm^2 C. 100cm^2 D. 150cm^2

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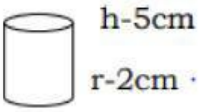
45. Mrs. Cortes showed a rectangular box to her class with a length of 8cm, a width of 5cm, and a height of 3cm. What is the total surface area of the box?

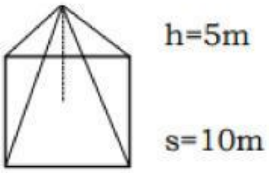
A. 128 sq.cm B. 138 sq.cm C. 148 sq.cm D. 158 sq.cm

46. Find the surface area of the cylinder below. Use $\pi = 3.14$.



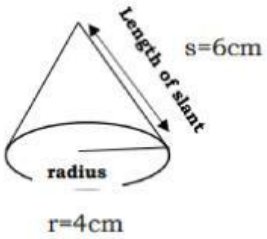
A. 87.92 cm^2 B. 89.76 cm^2 C. 95.36cm^2 D. 105.36 cm^2

47. Solve for the surface area of the square pyramid illustrated below where h is the height and s is the edge of the base.



A. 100 m^2 B. 150 m^2
C. 200 m^2 D. 250 m^2

48. Find the surface area of the ice cream cone below.



A. 125.6cm^2 B. 152.6cm^2
C. 215.6cm^2 D. 251.6cm^2

49. If the formula for finding the surface area of a sphere is $4 r^2$, what is the surface area of a basketball with a radius of 3.2 dm?

A. 128.4164 dm^2 B. 128.4416 dm^2 C. 128.6144 dm^2 D. 128.6414 dm^2

50. What formula is to be used in solving the surface area of a sphere?

A. $4 r^2$ B. 4 rh C. $rs + r^2$ D. $2 rh + 2 r^2$

LIVEWORKSHEETS