MATHEMATICS 5

4th Summative Test

(3rd Quarter)

Name: _____ Score: _____

I. Choose the Letter of the best answer.

____ 1. In a given circle, the radius is 9 cm. What is its diameter?
A. 18 m B.18 cm C. 4.5 m D. 4.5 cm

____ 2. Which of the following is the formula in solving for the area of a circle?
A. $A= 2\pi r$ B. $A= \pi r^2$ C. $A= \pi d$ D. $A=2 \pi r^2$

____ 3. The diameter of a circle is 8 cm, what is its area?
A.50.24 cm^2 B.200.96 cm^2 C.25.12 cm^2 D.100.48cm^2

____ 4. What is the radius of a circle if the area is 36m^2?
A. 0.339 m B. 3.39 m C. 33.9 m D. 339m

____ 5. What is the area of a circle if the radius is 5m?
A. 15. 7m^2 B. 31.4 m^2 C. 78.5 m^2 D. 157m^2

For *Numbers 6-10, please refer to the problem below.*

____ The bottom of a circular swimming pool with a diameter of 40 feet is made up of blue tiles. How many square feet is that?

____ 6. What is asked in the problem?
A. The shape of the swimming pool
B. The diameter of the swimming pool
C. The color of the tiles
D. The area of the swimming pool

____ 7. What is given in the problem?
A. Radius of 80m C. Radius of 80 ft.
B. Diameter of 40 ft. D. Diameter of 40m

____ 8. What is the appropriate formula to be used to solve the problem?
A. $A= 2\pi r$ B. $A= \pi r^2$ C. $A= \pi d$ D. $A=2 \pi r^2$

____ 9. What is the answer to the problem?
A. 1, 256 ft^2 C.1256 cm^2
B. 1256 m^2 D.1256 in^2

10. What is the correct conclusion for the problem?

____ A. The diameter of the swimming pool is 1256 ft^2.
B. The radius of the swimming pool is 1256 m^2.
C. The area of the swimming pool is 1256 ft^2.
D. The circumference of the swimming pool is 1256 ft^2.

____11. Which cubic unit of measure is appropriate to be used in measuring the volume of a Math Book?

A. mm^3 B. cm^3 C. dm^3 D. m^3

____12. Which volume is appropriate to be measured in cubic meter/m^3?

A. Volume of shoe box
B. Volume of a stock room
C. Volume of a match box
D. Volume of an ice cube

____13. To convert a cubic centimeter measurement to a cubic meter measurement, _____the volume by the conversion ratio.

A. Add
B. Subtract
C. Multiply
D. Divide

____14. To convert a liter measurement to a cubic centimeter measurement, _____ the volume by the conversion ratio.

A. Add
B. Subtract
C. Multiply
D. Divide

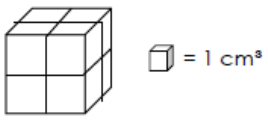
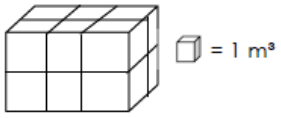
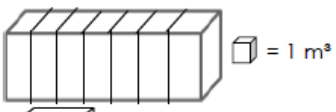
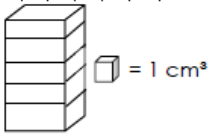
____15. The volume in cubic meter is equal to the cubic centimeter divided by _____.

A. 1,000,000
B. 1,000
C. 10,000,000
D. 100, 000

____16. Convert 10 cubic meters to cubic centimeters.

A. 10,000,000 cm^3 C. 100,000 cm^3
B. 1,000,000 cm^3 D. 10,000 cm^3

II. Match Column A with the correct volume in Column B. Write only the letter of the correct answer.

Column A	Column B
1. 	A. 7 m^3
2. 	B. 8 cm^3
3. 	C. 5 cm^3
4. 	D. 12 m^3

KEY:

1.B	6. D
2.B	7.B
3.A	8.B
4.B	9.A
5.C	10.C

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

1. B
2. D
3. A
4. C