

**2019/20 Academic Year Maths 3rd Quarter Summary Questions for Grade 6****I. Write “True” if the statement is correct and “False” if the statement is incorrect.**

1. Multiplying both sides of an inequality by positive number will change the inequality sign.
2. Radius is half of a diameter.
3. $-3x < 6$ and $x < -2$ are equivalent inequalities.
4. Every diameter is a chord.
5. Circle graph is a very common and accurate way of representing data.
6. A mathematical sentence that contains an equal sign is called inequality.

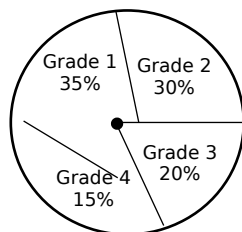
II. Choose the correct answer among the given choices and circle on the letter of your choice .

7. Equivalent equations are equations that have the same _____.
A. domain C. solution set
B. terms D. variable
8. _____ is the distance from the center to any point on the circle.
A. Chord C. Diameter
B. Radius D. Circle
9. If the radius of a circle is 6cm, what is its circumference?
A. $6\pi\text{cm}$ B. $9\pi\text{cm}$ C. $36\pi\text{cm}^2$ D. $12\pi\text{cm}^2$
10. If the area of a circle is $64\pi\text{cm}^2$, what is its diameter?
A. 16cm B. 4cm C. 8cm D. 32cm
11. If $a = 2$, $b = 3$ and $c = 5$, what is the value of $3ab^2c$.
A. -60 B. -270 C. 180 D. 270
12. If $5x+3 = x - 9$, what is the value of x
A. 2 B. -3 C. 3 D. -5
13. If the diameter of a circle is 10cm, what is its area
A. $25\pi\text{cm}$ B. $100\pi\text{cm}^2$ C. $25\pi\text{cm}^2$ D. $10\pi\text{cm}^2$
14. A good graph should contain
A. A title
B. Source of the facts that it represents
C. Scales clearly marked and labeled
D. All
15. If $4x + 2 < 6x + 8$, what is the value of x .
A. $x > -3$ B. $x < -3$ C. $x > 3$ D. $x < 3$
16. Which of the following pairs of inequalities are of equivalent?
A. $5x < 20$ and $x < 4$ C. $2x - 6 > 4$ and $2x - 8 > 2$
B. $x > 3$ and $x+8 > 3+8$ D. $3x > 5$ and $x < \frac{5}{3}$
17. If $12x - 14 = 4x + 10$, what is the value of x ?

- A. 2 B. 1 C. 4 D. 3
18. If the circumference of a circle is $12\pi\text{cm}$, what is its area.
 A. $144\pi\text{cm}^2$ B. $12\pi\text{cm}^2$ C. $36\pi\text{cm}^2$ D. $24\pi\text{cm}^2$
19. Which of the following is binomial expression?
 A. $3a$ C. $2a - a$
 B. $3a + 2b$ D. $5a + 6b - 9ab$
20. Which of the following are like terms?
 A. $3ab$ and $3a$ C. $2ab$ and $-3ab$
 B. $3a^2b$ and ab D. $\frac{1}{2}a$ and $\frac{1}{2}b$

III. Fill in the blank space with the correct answer.

The following pie chart shows the number of students in a certain school. There are 2000 students in the school. Answer questions 21, 22 and 23 from the pie chart.



21. The number of students in grade 1 is _____.
22. The number of students in grade 3 is _____.
23. The number of students in grade 4 is _____.

IV. Workout the following questions by showing all the necessary steps clearly.

24. If the radius of a circle is 9cm then find
 a. Its circumference
 b. Its area
25. If the area of a circle is $144\pi\text{cm}^2$ then find
 a. Its diameter
 b. Its circumference
26. If the sum of three consecutive numbers is 57. What are the numbers.
27. If $4(x + 12) = 52$, what is the value of x .
28. Draw a line graph for the given table.

Distance in km	0	15	30	45	60	75
Petrol used in liters	0	1	2	3	4	5

I. የሚከተሉትን እውነት ወይም ሐሰት በማለት መልስ/ሺ።

29. የጋራ መነሻ ነጥብ ያላቸው ሁለት ጨረሮች አንግል ይፈጥሯሉ።
30. የሁለት አንግሎች ድምር 180° ከሆነ፣ ሁለቱ አንግሎች ቀጤ አሟይ አንግሎች ይባላሉ።
31. የ 80° ዝርግ አንግል አሟይ 100° ነው።
32. ውስን ቀጥታ መስመሮች መነሻም መድረሻም ነጥብ አላቸው።
33. አንግልን ለመለካት የምንጠቀምበት መሳሪያ ፕሮትራክተር ይባላል።

II. የሚከተሉትን ጥያቄዎች በትክክል አዛምድ/ጁ።

<u>#ሀ፤</u>	<u>#ለ፤</u>
34. ማዕዘናዊ አንግል	ሀ. 180°
35. ጥምዝ አንግል	ለ. 120°
36. ሹል አንግል	ሐ. 90°
37. ዝርግ አንግል	መ. 300°
38. ዝርጥ አንግል	ሠ. 50°