

NEW AL WUROOD INTERNATIONAL SCHOOL, JEDDAH



(PEEVES GROUP OF SCHOOLS, K.S.A.)

Affiliated to CBSE – New Delhi.

SUMMATIVE ASSESSMENT-2 (2016 -2017)

Subject: MATHEMATICS

Date: 05/03/2017.

Set: A

Time: 2 ½ Hours

Class: VI Sec: _____

Max. Marks: 90

Name: _____

Roll No. :

Instructions to the Candidates:

1. Please check that this question paper contains all the printed pages
2. All answers must be written in the provided answer sheet.
3. Read each question carefully and follow the instruction.
4. Do not write anything in the margin.
5. Do not exceed the prescribed word limit while answering the questions.
6. Do not split section.

SECTION A

FILL IN THE BLANKS

(1×10=10)

1. A set of tally mark have _____
(10 counts, 5 counts, 4 counts, 6counts)
2. Identify the property used in $x+y = y+x$
(associative property, commutative property, distributive property, closure property)
3. To find the length of the lace around a bed sheet we will measure its _____.
(perimeter, length, breadth, shape)
4. The simplest form of the ratio, 16:104.
(1:2, 2:13, 2:3, 2:1)

5. To find the amount of space a person needs to sit in, we measure his or her

_____.

(perimeter, length, area, shape)

6. The length of the circumference of a circle is approximately _____ times its diameter.

(2, 3, 4, 5)

7. Area of square with sides if length 5 cm is _____.

(25 sq cm, 5 sq cm, 20 sq cm, 15 sq, cm)

8. The length from the centre of a circle to its edge is its _____ .

(radius, diameter, circumference, area)

9. The data can be organised in tables using _____.

(tally marks, pictograph, bar graph, line graph)

10. The perimeter of a hexagonal shop where each side measures 15.5 m

(93, 39, 155, 15)

WRITE TRUE OR FALSE

(5×1=5)

11. Area can be measured using a piece of thread.

12. A pictograph represents data in symbols or pictures.

13. The diameter of circle is thrice the length of radius of circle.

14. When a line segment bisects another line segment into two equal halves at right angles is called a perpendicular bisector.

15. To compare two ratios, the terms of the ratio must be in the same unit.

SECTION B

(17×2=34)

16. Organise the following marks obtained by 20 students in a math test, in a tally, table.

15	18	12	15	16	10	18	14	15	12
10	15	18	16	12	10	18	14	12	18

17. Construct 2 lines perpendicular to each other using ruler and compass.
18. A cake recipe uses 3 cups of flour for one cake.
- (a) If a baker wants to make 5 cakes, how many cups of flour would he need?
- (b) What is the formula to find the number of cups of flour?
19. Find the next 3 numbers in the patterns.
- (a) 11, 22, 33, 44, _____, _____, _____, _____
- (b) 100, 85, 70, _____, _____, _____, _____
20. The perimeter of an equilateral triangle is 27 cm, find the length of each of its sides.
21. Find the 4 equivalent ratios for the ratios.
- (a) 2:7 (b) 10:3
22. The perimeter of a rectangular card is 28 cm. If the length of the card is 8 cm then find its breadth.
23. Construct line segments of the given lengths using a compass and ruler.
- (a) 4.7 cm (b) 6.2 cm
24. Construct a perpendicular bisector CD to a line segment AB of length 8 cm.
25. Draw a line segment of 7.3 cm and make a copy of it using compass and ruler.
26. Construct an angle of unknown measure and then construct its angle bisector.
27. Draw an angle of measure 120° and make a copy of it.
28. Total number of animals in five villages are as follows:

Village A: 80
Village B: 120
Village C: 90
Village D : 40

Prepare a pictograph of these animals using one symbol represent 10 animals.

29. Construct 60° of angle using ruler and compass.

30. The perimeter of the rectangular room is 120 m . and its breadth is 15 m , find its length and area

31. A bottle can hold 3 litre of water and a glass holds 300 ml of water find the ratio of capacity of bottle to the capacity of glass ?

32. A man runs around a square park and covers 1 km in 5 rounds. What is the length of the park?

SECTION C

(7×3=21)

33. Construct 2 circles with the lengths of their radii as 3cm and 4cm from the same Centre. Draw a point on the exterior of the smaller circle that lies on the interior of the larger circle.

34. Find the area of a rectangular garden whose sides are 15m and 11m. If the cost of leveling the garden is Rs. 325 per sq m , then find the total cost for leveling the garden.

35. Simplify the ratios to their lowest forms.

(a) 8:32, (b) 6:9 (c) 15:25

36. Jaya's and vinay's combined age is 72 in the ratio 4:5. How old is vinay?

37. A square and rectangular garden has the same perimeter. The length of the square garden is 50 m. If the length of the rectangular garden is 70 m, find its breadth?

38. Find the approximate length of the circumference of circles with the following diameters.

(a) 8cm, (b) 10.5 cm, (c) 7.3 cm

39. Construct an angle of 90° and construct its angle bisector using a compass.

SECTION D

(5x4=20)

40. The table shows the amount of rice sold in different months. Draw a bar graph to represent it.

<u>Months</u>	<u>Rice (in Kg)</u>
January	1 lakh 10 thousand
February	2 lakh
March	1 lakh 40 thousand
April	1 lakh 50 thousand
May	1 lakh 20 thousand

41. Draw a circle and label the following.

(a) Sector (b) Segment (c) Chord (d) Centre (e) radius (f) diameter (g) arc

42. Construct angles of the given measures using a compass.

(a) 45° (b) 30°

43. Draw angles of given measures using a protractor and then their angle bisectors.

(a) 100° (b) 55° (c) 85° (d) 125°

44. Find the ratio of the following

- (a) 1 dozen bananas and 5 apples
- (b) 1.2 litre water and 200 ml juice
- (c) 25 cm and 2 m
- (d) 300g and 2 k



