

GENIUS HIGH SCHOOL :: BHUVANAGIRI
PERIODIC TEST - II

Subject : Mathematics
Class : VIII

Marks : 40
Time : 1 ½ Hr

Section - I

10 × 1 = 10m

I. choose the correct answer:

1. The diagonals of a square are _____ each other

(a) equal to. (b) unequal to. (c) perpendicular bisectors of. (d) none of these

2. opposite angles of a parallelogram are _____ .

a) Unequal. (b) equal. (c) complementary. (d) supplementary

3. How many sides does a triangle have ?

(a) 2 (b) 3 (c) 7 (d) 5

4. In a rhombus all sides are

Equal. (b) Unequal. (c) 2 side only equal. (d) none

5. Sum of the interior angles of a triangle.

a. 120° . (b) 160° . (c) 180° . (d) 360°

6. Pictorial representation of data using symbols is known as:

a. bar graph (b) Pictograph (c) Pie chart (d) None of these

7. The grouped data, each of the group is called:

a. class interval (b) collection of data
c. Frequency (d) Grouped frequency distribution

8. If 20-30 is class interval of grouped data, then lower class limit is:

a. 50 (b) 3 (c) 2. (d) 10

9. The difference between the upper-class limit and lower class limit of a class interval is called:

a. Frequency (b) Width (c) Grouped data. (d) Ungrouped data

10. width or size of the class interval 30-40 is:

a. 10 (b) 30 (c) 40 (d) 70

SECTION - II

6X2=12M

11. draw the angle 60° without using protractor

12. draw the angle 120° without using the protractor

13. draw a. (a) ray cd.

or

(b) draw a line segment $ab = 6\text{cm}$

14. draw a circle with radius 4 cm

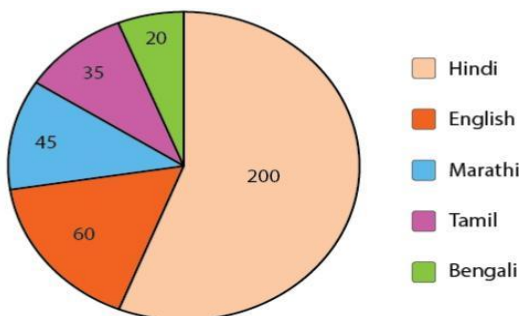
15. When a dice is thrown randomly find the probability of

Getting a (a). Even number. (b). Prime number

16. when u toss a coin what are the outcomes and how many ?

SECTION - III

6X3= 18M



17. From the above figure

a). Which language is spoken by maximum number of people?

b). Which language is spoken by minimum number of people?

c). How many total people were surveyed?

18. If you have a spinning wheel with 3 green sectors, 1 blue sector and 1 red sector, what is the probability of getting a green sector? What is the probability of getting a non-blue sector?

19. a) Which class interval has highest frequency ?

Class-interval	Tally marks	Frequency
16–24		12
24–32		5
32–40		10
40–48		8
48–56		8
56–64		7
Total		50

b). Which class interval has lowest frequency ?

c) what is the width of the each class interval ?

20. construct a rhombus bN =5.6 cm. EN = 6cm ?

Or. construct a Square abcd of side 6cm ?

21. draw a bar graph For the given data apples balls carrots

a a. a. a b. b. b. c a b. b c a. b c. c. c. c

22. draw a quadrilateral abcd

ab=5cm. bc= 6cm cd= 7cm ad= 5cm ac = 7cm

Or. a bag is filled with 3 GREEN , 4 bLUE , 1 WHITE balls

a)What is the probability of getting ar REd ball ?

b) what is the probability of getting bLUE ball ?