ASSIGNMENT NO. 6

CLASS- VIII SUB- MATHS chapter -4,5

1. Construct a rectangle ABCD such that AB = 5.4 cm, BD= 6.3 cm
2. Construct a rhombus ABCD given that AB= 4.5 cm and A= 60
3. Construct a square whose one side is 4.5 cm ?
4. Construct a parallelogram ABCD such that AB= 5cm, BC=3.2 cm, B = 120
5. Construct a rhombus whose diagonals are 10 cm and 8 cm ?
6. Construct a square whose one diagonal is 6.2 cm ?
7. Construct a rhombus ABCD whose diagonal AC = 7 cm and diagonal BD = 5 cm ?
8. Construct a rhombus ABCD given that AB = 4.5 cm , and angle A = 60
9. Construct a rectangle ABCD given that AB = 5.3 cm and BC= 3.2 cm ?
10. Construct a quadrilateral ABCD where AB = 4 cm, BC= 3.5 cm, CD= 4 cm, AD= 3 cm and angle A= 60
11. Construct a quadrilateral ABCD given that BC= 4.5 cm, AB= 3.5 cm , CD= 3 cm, angle B=90, angle C = 120
12. Construct a quadrilateral ABCD given that BC= 5 cm, CD= 3.5 cm, measure of angle B= 60, angle C= 60 , AND angle D = 120
13. Draw a pie chart for the following

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| marks | petrol | food | Clothing  | miscellaneous |
| No. of students | 1500 | 3000 | 750 | 750 |

14. Construct a quadrilateral ABCD given that AB = 4 cm, BC= 3 cm, measurement of angle A= 75, B= 80, and C= 120

15. The marks secured by 40 students in a class test according to their serial number in the attendance register are given below - 77, 66, 8, 78,80, 27, 45, 40, 48 ,56 ,84, 60, 90, 45, 6, 29 ,48 ,20 ,65 ,58 ,78 ,12 ,14, 68 ,70 ,75, 77, 58, 82, 29, 87, 82, 34, 20, 25, 82, 76, 65, 41, 42. Draw the frequency table and histogram with the interval 0-10, 10-20 and so on

16. A bowl contains cards numbered from 1-25. A card is drawn at random . what is the probability that the card drawn is ;- (i) an even number (ii) an odd number (iii) a composite number (iv) a prime number (v) a number less than 12

17. The probability of a die showing number 7 is ………………….