**23.** A coin is tossed 12 times and the outcomes are observed as shown below:

The chance of occurrence of Head is

(a) $\frac{1}{2}$ (b) $\frac{5}{12}$ (c) $\frac{7}{12}$ (d) $\frac{5}{7}$

**24.** Total number of outcomes, when a ball is drawn from a bag which contains 3 red, 5 black and 4 blue balls is

(a) 8 (b) 7 (c) 9 (d) 12

**25.** A graph showing two sets of data simultaneously is known as

(a) Pictograph (b) Histogram (c) Pie chart (d) Double bar graph

**64.** Getting a prime number on throwing a die is an event.

Using the following frequency table, answer question 65-68

| Marks (obtained out of 10) | 4 | 5 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|
| Frequency | 5 | 10 | 8 | 6 | 12 | 9 |

**65.** 9 students got full marks.

**66.** The frequency of less than 8 marks is 29.

**67.** The frequency of more than 8 marks is 21.

**68.** 10 marks the highest frequency.

**91.** Following are the number of members in 25 families of a village:

6, 8, 7, 7, 6, 5, 3, 2, 5, 6, 8, 7, 7, 4, 3, 6, 6, 6, 7, 5, 4, 3, 3, 2, 5.

Prepare a frequency distribution table for the data using class intervals 0 –2, 2 –4, etc.

**11.** Which of the following is a property of a parallelogram?

(a) Opposite sides are parallel.

(b) The diagonals bisect each other at right angles.

(c) The diagonals are perpendicular to each other.

(d) All angles are equal.

**12.** What is the maximum number of obtuse angles that a quadrilateral can have ?

(a) 1 (b) 2 (c) 3 (d) 4

**13.** How many non-overlapping triangles can we make in a n-gon (polygon having $n$ sides), by joining the vertices?

(a) $n-1$ (b) $n-2$ (c) $n-3$ (d) $n-4$

**14.** What is the sum of all the angles of a pentagon?

(a) 180° (b) 360° (c) 540° (d) 720°

**15.** What is the sum of all angles of a hexagon?

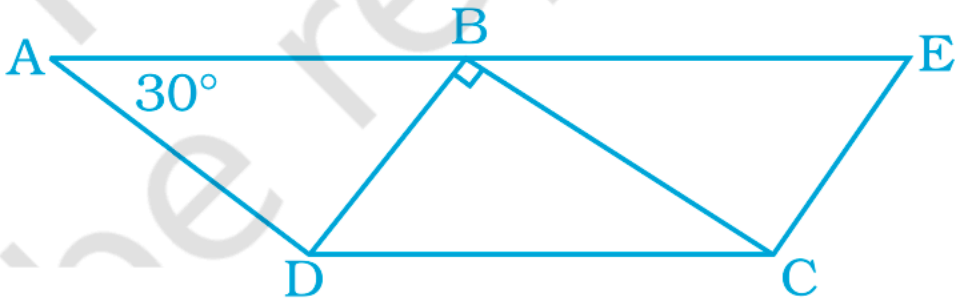
(a) 180° (b) 360° (c) 540° (d) 720°

**34.** The angle between the two altitudes of a parallelogram through the same vertex of an obtuse angle of the parallelogram is 30°. The measure of the obtuse angle is

(a) 100° (b) 150° (c) 105° (d) 120°

**35.** In the given figure, ABCD and BDCE are parallelograms with common base DC. If BC ⊥ BD, then ∠BEC =

(a) 60° (b) 30° (c) 150° (d) 120°



**75.** If Naresh walks 250 steps to cover a distance of 200 metres, find the distance travelled in 350 steps.

**99.** A bowler throws a cricket ball at a speed of 120 km/h. How long does this ball take to travel a distance of 20 metres to reach the batsman?