

CLASS IX CBT TEST MATHS JANUARY 2024

Q1. For a grouped frequency distribution , the class intervals are 0-10 , 1-20 , 20-30 then the class width is

- a) 5
- b) 10**
- c) 15
- d) 20

Correct answer - (b)

Q2. In the class intervals 20-30 , 30-40 , and 40-50 , 40 belongs to which interval ?

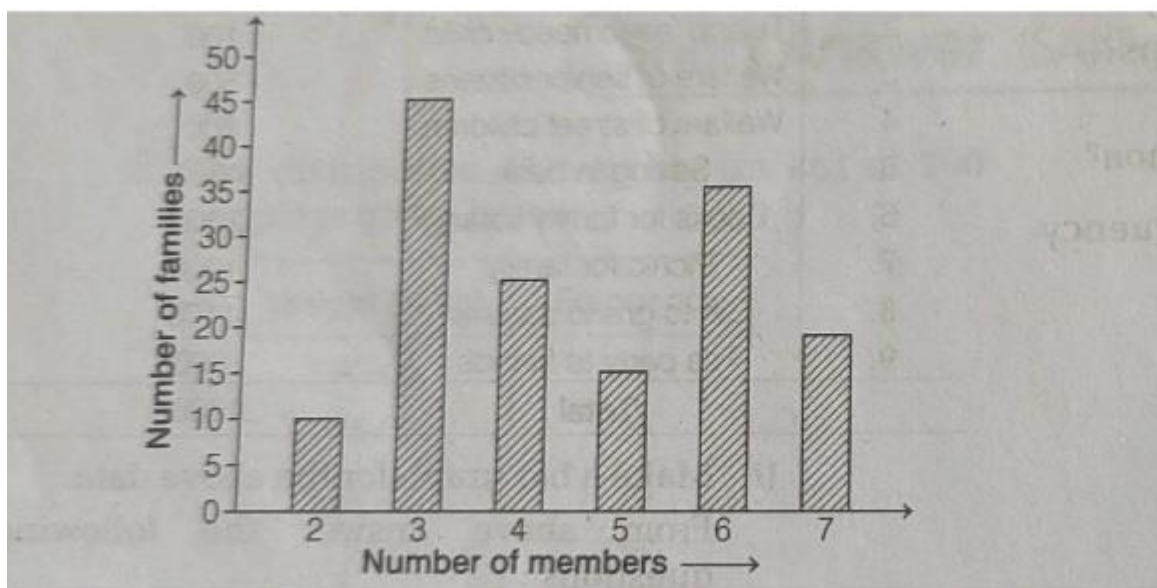
- a) 20-30
- b) 30-40
- c) 30-45
- d) 40-50**

Correct answer - (d)

OBSERVE the following bar graph and answer the following given question from Q3 to Q6.

Rajasthan government conducted a survey of 150 families of a town, the number of members in each family was recorded and the data has been represented by the following bar graph.

Q.3 How many families have 2 member each?



- a) 5
- b) 10**

- c) 30
- d) 45

Correct answer - (b)

Q4.. How many families have 6 member?

- a) 30
- b) 35**
- c) 45
- d) 25

Correct answer - (b)

Q5. How many people live alone?

- a) 0**
- b) 1
- c) 2
- d) 3

Correct answer - (a)

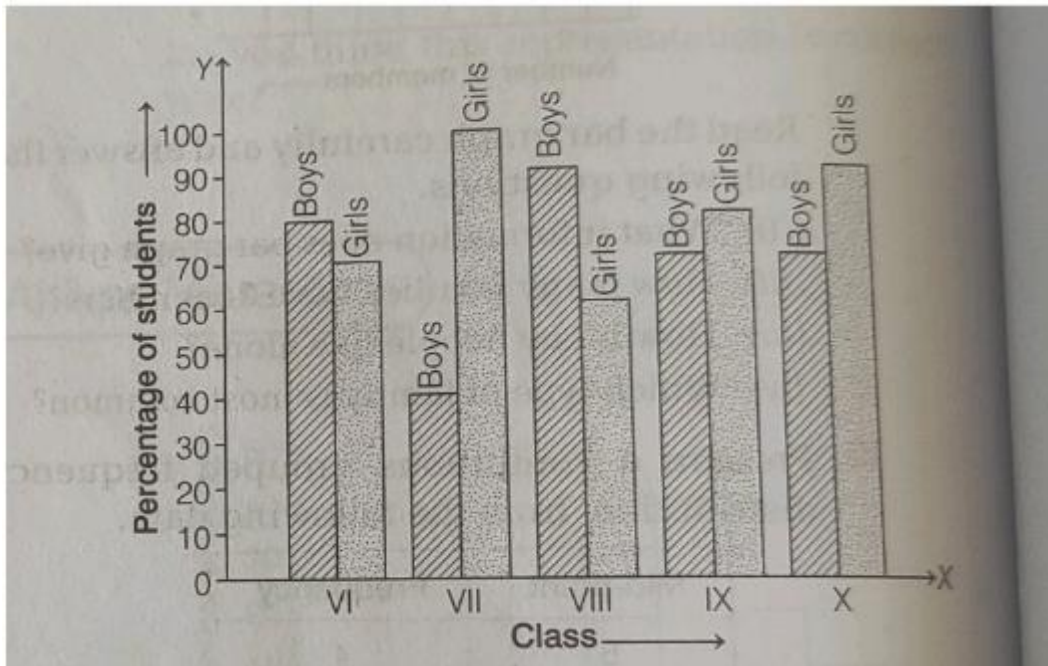
Q6. Which type of family is most common?

- a) 3 members**
- b) 4 members
- c) 5 members
- d) 6 members

Correct answer - (a)

Observe the following bar graph and answer the following given question from Q7 to Q10.

Q.7 The class having highest pass rate of girls is



- a) VI
- b) VII**
- c) IX
- d) X

Correct answer - (b)

Q8. The class having lowest pass rate of boys is

- a) VI
- b) VII**
- c) VIII
- d) IX

Correct answer - (b)

Q9. The curved surface area of a cylinder and a cone is equal. If their base radius is same, then the ratio of the slant height of the cone to the height of the cylinder is

- a) 2 : 3
- b) 1 : 1
- c) 2 : 1**
- d) 1 : 2

Correct answer - (c)

Q10. If a sphere of radius $2r$ has the same volume as that of a cone with a circular base of radius r , then the height of the cone is

- a) $32r$**
- b) $28r$
- c) $30r$

d) 24r

Correct answer - (a)