NORTHEAST PSC

(Co-ordinate Geometry)

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(9 Years Teaching Experience | Mentored 10000+ Students | 200+ Selection in APSSB & APPSC Exams)

Q1. The mode of 14, 25, 12, 28, 18, 14 is

[APSSB UDC 2019]

(A) 25

(B) 28

(C) 14

(D) None of these

Q2. The median of goals secured by a team in 10 matches given by 2, 3, 4, 5, 0, 1, 3, 3, 4, 3 is

[APSSB UDC 2019]

(A) 4

(B) 3.5

(C) 3

(D) 5

Q3. The median of the data 1, 2, 9, 8, 7, 6 and 10 is

[APSSB CHSL 2021]

(A) 7

(B) 6.5

(C) 7.5

(D) 6

Q4. A student was asked to find the arithmetic mean of the numbers 3, 11, 7, 9, 15, 13, 8, 19, 17, 21, 14 and x. He found the mean 12. What should be the number in place of x?

[APSSB CGL 2021]

(A) 3

(B) 7

(C) 17

(D) 31

Q5. The mean of 4,3,9, 'x' and 6 is 8, then 'x'

[APSSB CLDCE LDC/DEO 2022]

(A) 18

(B) 6

(C) 8

(D) 6

Q6. The mean of 5, 6, 4, 5, 3 is
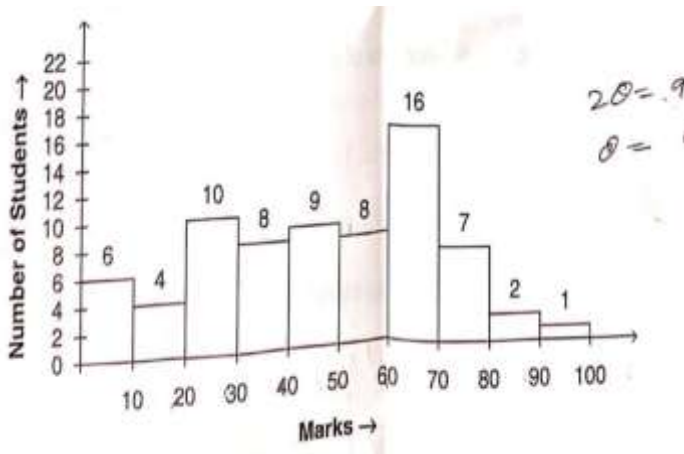
[APSSB UDC 2019]

(A) 5

(B) 4.6

(C) 4.5

(D) None of these

(A) 24

(B) 32

(C) 10

(D) 0

Q7. If A.M. (Arithmetic Mean) and G.M (Geometric Mean) of 2 numbers are 5 and 4 respectively, the two numbers are

[APSSB CGL 2021]

(A) 8 and 2

(B) 6 and 4

(C) 7 and 11

(D) None of these

Q8. The Histogram given below shows the number of students of a class and their marks. Study the given Histogram and answer the following question.

Direction (Q. No. 9 and 11): The pie chart given below shows the spending of a school (in) on various sports. Study the given pie chart and answer the following questions.
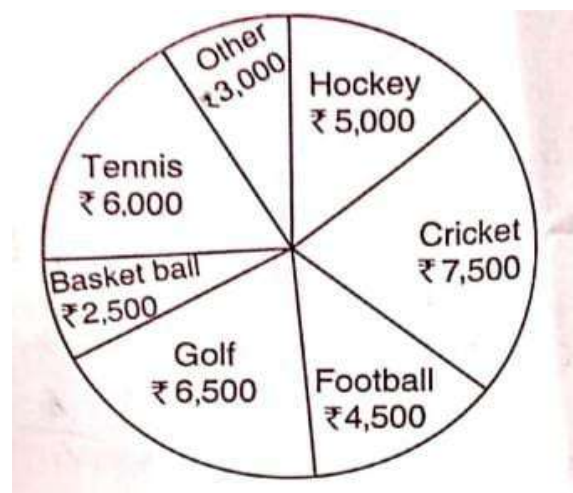
[APSSB CSL 2023]

The number of students whose marks is ≥ 70% is

Q9. What is the average spending on all sports except golf?

[APSSB CSL 2023]

(A) ₹4,750

(B) ₹5,000

(C) ₹5,750

(D) None of these

Q10. Percentage of amount spent on Hockey is

[APSSB CSL 2023]

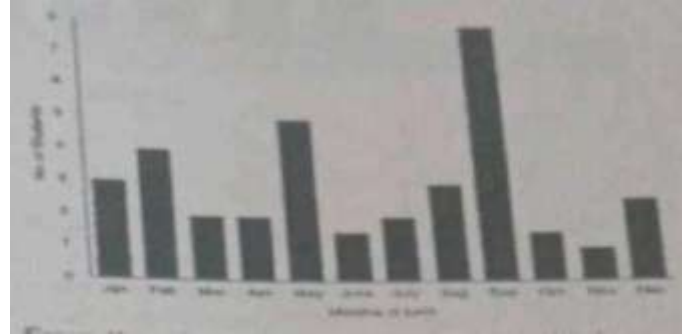(A) $15\frac{1}{4}\%$

(B) $14\frac{2}{7}\%$

(C) 15%

(D) 14%

Q11. The frequency polygons are used when

[APSSB CSL 2023]

(A) Data is continuous

(B) Data is very large

(C) For comparing two different sets of data of the same nature

(D) All of these

Q12. In the particular Section of Class 8. 40 students were asked about the months of their birth and represented in the bar graph below;

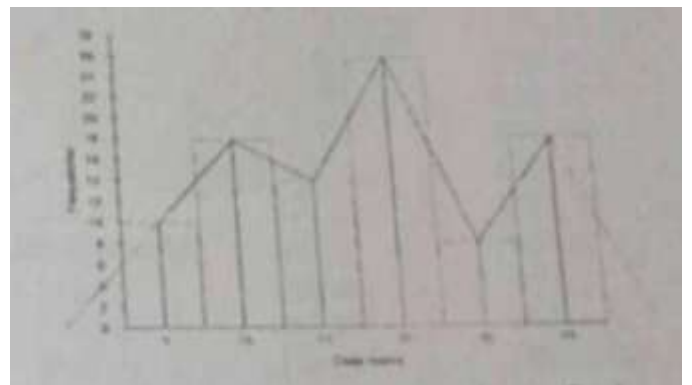**From the above bar graph, find in which month least number of students were born?**

[APSSB CGL 2023]

(A) August

(B) June

(C) October

(D) November

Q13. The frequency polygon of frequency distribution is shown below:

From the above frequency polygon find the frequency of class interval whose class mark is 35.

[APSSB CGL 2023]
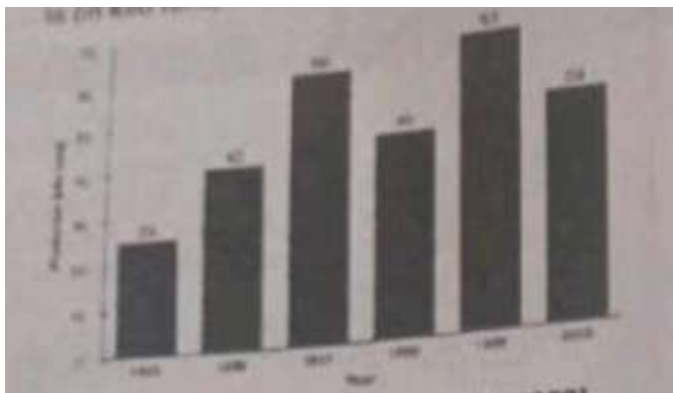
(A) 30–40

(B) 40–50

(C) 10–40

(D) None of these

Q14. The pair of lines 3x + 2y = 5, 2x-3y = 7 are

[APSSB CHSL 2021]

(A) Consistent

(B) Inconsistent

(C) Both a & b

(D) None of these

Q15. The bar graph shows the fertilizer production in kilo tons by a company between 1995 and 2000.

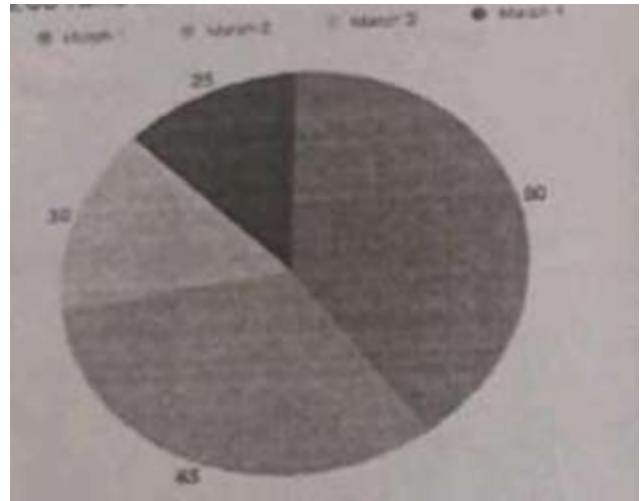**The average production from 1995 to 2000 is (in kilo tons)**

[APSSB CHSL 2023]

(A) 45.5

(B) 48

(C) 60

(D) 45

Q16. The Pie chart given below depicts the runs scored by a batsman Mr. X in 4 matches. Find the percentage of runs scored by the batsman in a match if his total score is 200 runs in 4 matches.

[APSSB CHSL 2023]

(A) 25%

(B) 12.5%

(C) 50%

(D) None of these

Q17. The weekly observations made

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on the cost of living index in a city is represented in the following frequency polygon.

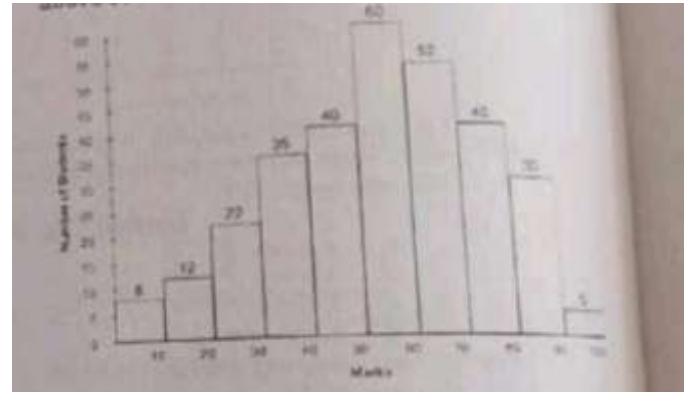The cost of living index was in the interval 160–170 in the below
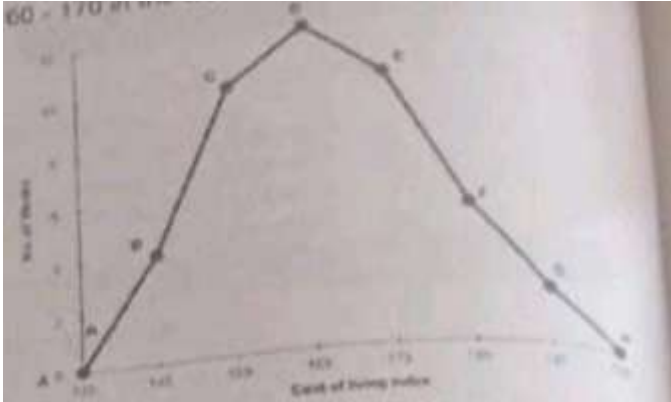
(A) 4

(B) 8

(C) 12

(D) 10

Q18. The histogram given below depicts the marks of students of the class and number of students of the class.

The number of students getting marks above 90 is

(A) 35

(B) 5

(C) 0

(D) 10

Q19. In a mixture of 60 litres, the ratio of milk and water is 2: 1. If this ratio is to be 1:2. then the quantity of water to be further added is

(A) 20 litres

(B) 30 litres

(C) 40 litres

(D) 40 litres

Q20. If 20 kgs of tea costing Rs. 150 per kg is mixed with 30 kgs of another tea costing Rs. 120 per kg. then cost of 1 kg of mixture is
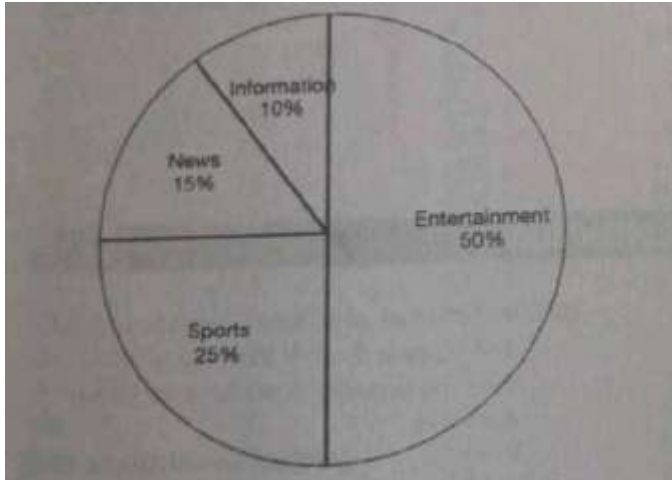
(A) Rs. 130

(B) Rs. 140

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(C) Rs. 132

(D) Rs. 175

Q21. Viewers watching different types of channels on Tv

From the above pie chart, find which 2 types of programmers have number of viewers equal to those watching sports channel?

[APSSB CGL 2023]

(A) News and Information

(B) News and Entertainment.

(C) Information and Entertainment

(D) None of these

Q23.Which of the following cannot be the probability of an event?

[APSSB UDC 2019]

(A) $\frac{1}{5}$

(B) $\frac{2}{9}$

(C) 0

(D) 2

Q24. The probability of getting a head when a fair coin a tossed is

[APSSB UDC 2019]

(A) 1

(B) 0

(C) $\frac{1}{2}$

(D) $\frac{3}{4}$