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Previous Year Paper

Mathematics - 2016

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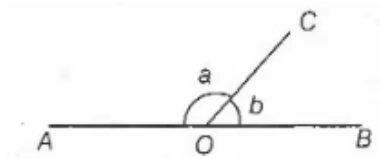


Multiple Choice Questions

- The multiplication of the age of Rajeev, before 5 yr and after 9 yr, is 15. What is the present age of Rajeev ?
 A. 6yr
 B. 7yr
 C. 5yr
 D. 8yr

Answer

- In the given figure, AOB is a simple line and OC is incident on this. If $a : b = 2 : 1$, then the value of a is



- 80°
- 100°
- 120°
- 140°

Answer

- The students (in Lakh) who appeared and ratio of pass and fail in different cities are given in the following table. Read carefully and answer following question

City	Applicants (in lakh)	Ratio of Pass and Fail
A	1.25	7 : 3
B	3.14	5 : 3
C	1.08	4 : 5
D	2.27	1 : 3
E	1.85	3 : 2

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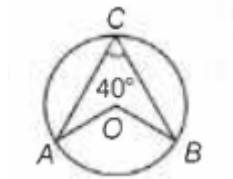
Mathematics			Exam Year	
F TET 2016	2.73		7 : 5	2016
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How many applicants pass in City E ?

- A. 13000
- B. 1110000
- C. 113000
- D. 111000

Answer

4. In the given figure, O is the centre and $\angle ACB = 40^\circ$, then $\angle AOB$ is equal to



- A. 30°
- B. 40°
- C. 60°
- D. 80°

Answer

5. If the radius of the circle is increased 3 times, then how many times the new circumference increase from its original size ?

- A. 3
- B. 13
- C. 9
- D. None of these

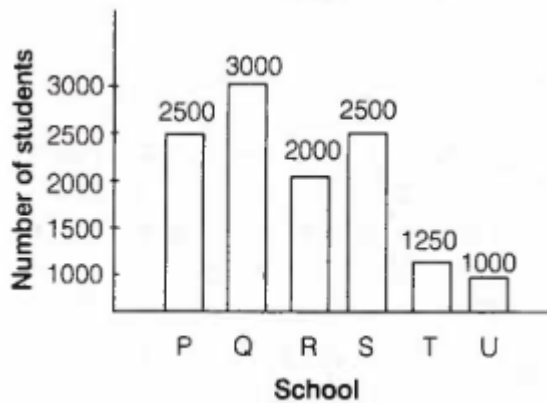
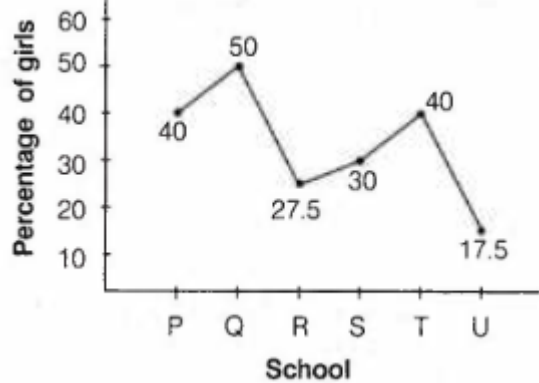
Answer

6. A room is 12 m long, 9 m wide and 8 m high. What is maximum length of a rod that can be kept in the room ?

- A. 17m
- B. 16m
- C. 15m
- D. 14m

Answer

7. Percentage of girls in different school are plotted in following graph. Read carefully and answer following questions



Average number of students in both School P and Q

- A. 1425
- B. 1575
- C. 2750
- D. 1625

Answer

8. Nature of mathematics

- A. it is logical
- B. it is difficult
- C. it is ornamental
- D. it is not for average students

Answer

9. In which of the following practice teaching does not helps ?

- A. To increase learning transfer
- B. To increase understanding solution of the problem
- C. To develop efficiency use of theoretical knowledge
- D. To work quickly of any problem

Answer

10. Importance of Action Mathematics is

- A. direct experience
- B. learning by self doing
- C. to be permanent and clear of concepts
- D. All of the above

11. Part of language of mathematic is

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- A. sign
- B. number-number variables
- C. formulae
- D. All of the above

Answer

12. In which subject importance of Mathematics Teaching is ?

- A. Society
- B. Science
- C. Principles and Logics
- D. All of the above

Answer

13. Which objectives achieves a teacher in classroom teaching?

- A. Cognitive
- B. Affective
- C. Psychomotor
- D. All of these

Answer

14. Importance of Diagnostic Test is

- A. in teaching
- B. in counselling and guidance
- C. in arrangement of remedial teaching
- D. All of the above

Answer

15. In Mathematics teaching,,main role of Mathematics teacher is

- A. philosopher
- B. friend
- C. counsellor
- D. All of these

Answer

16. Suitable method of Mathematics teaching is

- A. lecturer method
- B. demonstration method
- C. inductive-deductive method
- D. All of the above

Answer

17. If $35 \times 92 = 3n \times 33$, then the value of n is

- A. 3

D. 6

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Answer

18. What is the value of $625 + 484$?

- A. 47
- B. 56
- C. 52
- D. 35

Answer

19. Find the value of $0.0007293 + 0.0083$

- A. 0.1
- B. 0.5
- C. 0.06
- D. 0.8

Answer

20. At what simple rate of interest a sum is double in 8 yr ?

- A. 11.0%
- B. 12.5%
- C. 12%
- D. 13.5%

Answer

21. If $(a + b) : (b + c) : (c + a) = 6 : 7 : 8$ and $a + b + c = 14$, then the value of c is equal to

- A. 6
- B. 7
- C. 8
- D. 14

Answer

22. What is the value of 12% in decimals ?

- A. 0.0005
- B. 0.005
- C. 0.05
- D. 0.5

Answer

23. The students (in Lakh) who appeared and ratio of pass and fail in different cities are given in the following table. Read carefully and answer following questions

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Mathematics			Exam Year
TEJ 2016	1.08		4 : 5 2016
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E	1.85		3 : 2
F	2.73		7 : 5

How many applicants pass in City E

- A. 13000
- B. 1110000
- C. 113000
- D. 111000

Answer

24. Histogram is used to represent

- A. non-continuous grouped frequency distribution
- B. ungrouped frequency distribution
- C. continuous grouped frequency distribution
- D. All of the above

Answer

25. The students (in Lakh) who appeared and ratio of pass and fail in different cities are given in the following table. Read carefully and answer following question

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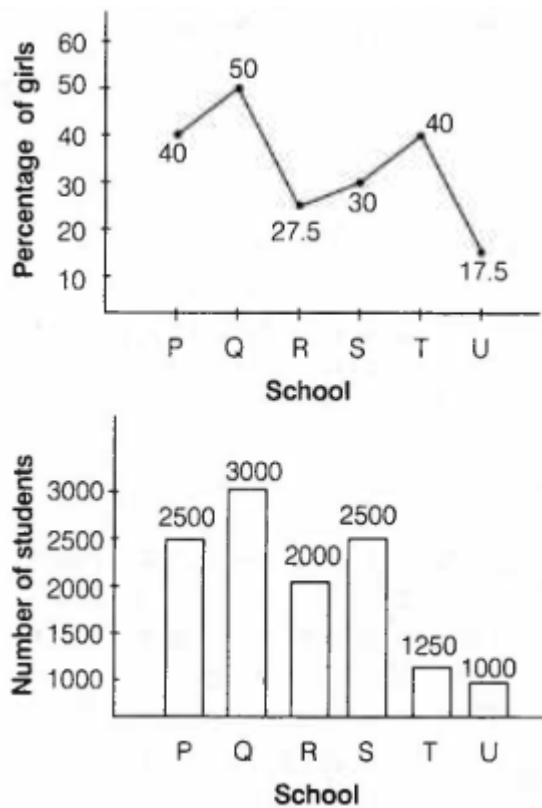
Which city has highest number of failures in exam ?

- A. F
- B. C

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[Answer](#)

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26. Percentage of girls in different school are plotted in following graph. Read carefully and answer following questions



Total number of boys in School T

- A. 500
- B. 600
- C. 750
- D. 850

[Answer](#)

27. Suitable method of Arithmetics teaching is
- A. project method
 - B. demonstration method
 - C. analytic method
 - D. None of the above

[Answer](#)

28. $2x + 4y - 8xy - 1$ is equal to
- A. $1 + 4y2x - 1$
 - B. $1 - 4y2x - 1$
 - C. $1 - 4y2x + 1$
 - D. None of the above

[Answer](#)

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B. 16

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D. 15

Answer

30. Neena and Meena started a business with investment of Rs. 30000 and Rs. 45000, respectively.

What will be the share of Meena from the profit on Rs 150000 after 2 yr ?

A. Rs. 30000

B. Rs. 45000

C. Rs. 75000

D. None of these

Answer