Grade 4, IMO Level 1 Demo Test

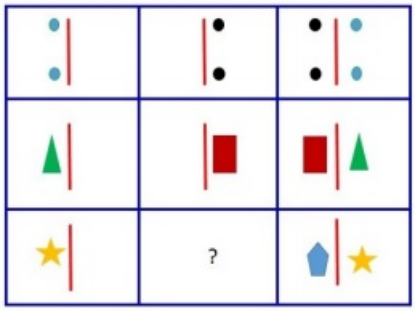
Grade : 4
Total Marks : 40
Time : 1 Hr

Reasoning

1. Which of the following words cannot be formed by using letters of the word ATHLETICS ?

A. STEAL **B**. STITCH **C**. ETHICS **D**. TENTH

2. Which of the figures from the options provided will fit in the blank space if same rule applies for all the rows ?

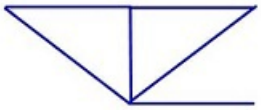




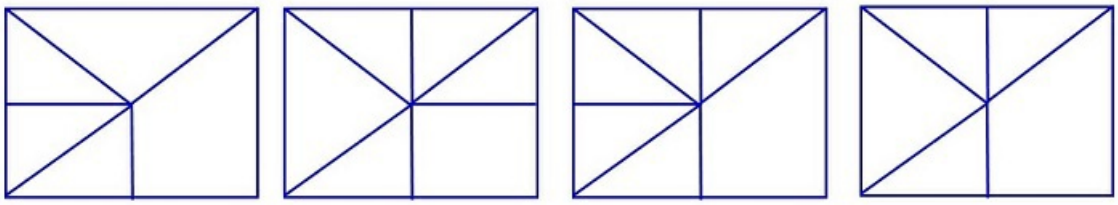
a b c d

A. a **B**. b **C**. c **D**. d

3. In which of the following options , the given figure P is completely embedded ?



P

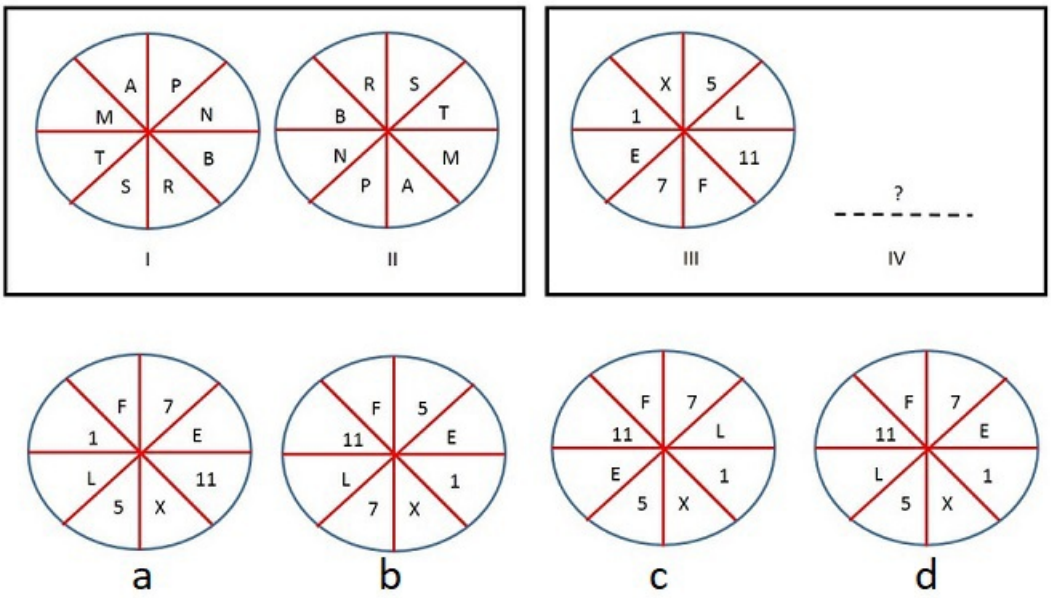


a b c d

A. a **B**. b **C**. c **D**. d

4. There is certain relationship between figure I and figure II. If same relationship holds between figure III and figure IV, which of the following figures represents figure IV ?

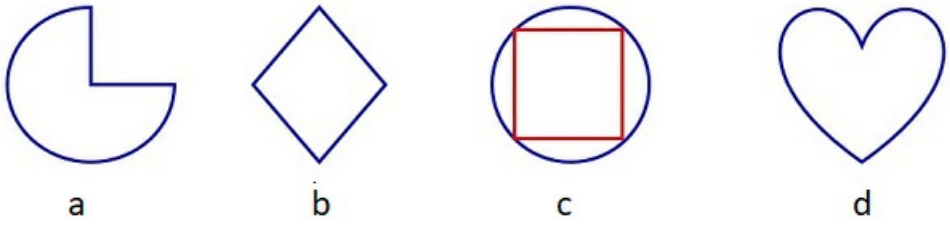
Copyright @2025 Olympiad Genius. All rights reserved.



A. a **B**. b **C**. c **D**. d

---

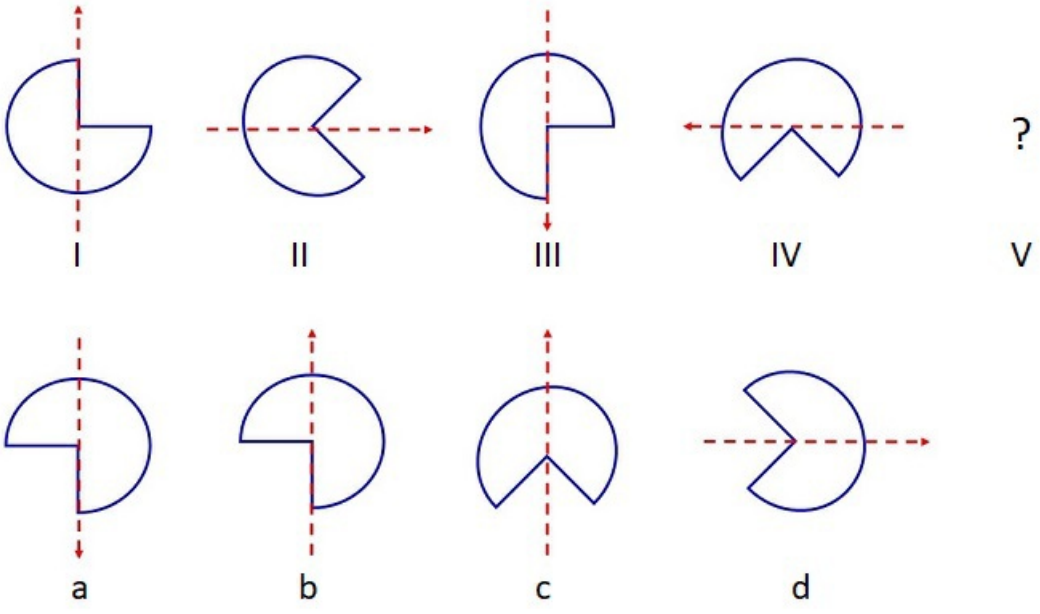
5. Write the number of axis of symmetry for each of the following figures in the order of sequence of figures.



A. 1,4,5,1 **B**. 1,2,5,2 **C**. 1,2,3,1 **D**. 1,2,4,1

---

6. What will be the next figure in the following sequence ?



A. a **B**. b **C**. c **D**. d

Copyright @2025 Olympiad Genius. All rights reserved.

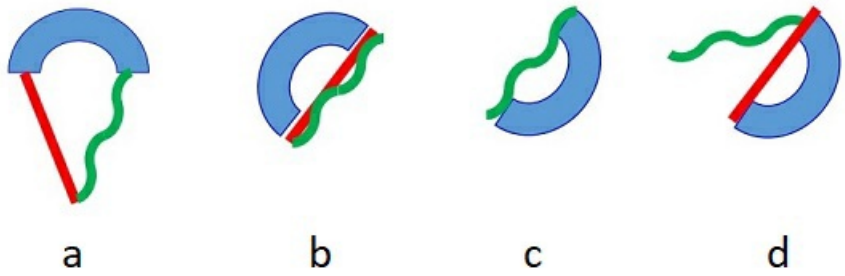
7. If ADD is called as DIVIDE, DIVIDE is called as MULTIPLY and MULTIPLY is called as SUBTRACT, what will be value of 20 MULTIPLY 4 ?

A. 5 **B**. 80 **C**. 16 **D**. 24

8. Which of the following words will come last in the sequence of dictionary ?

A. BOTTLE **B**. BOATING **C**. BOTTOM **D**. BOAST

9. Which of the following figures is different from the set ?



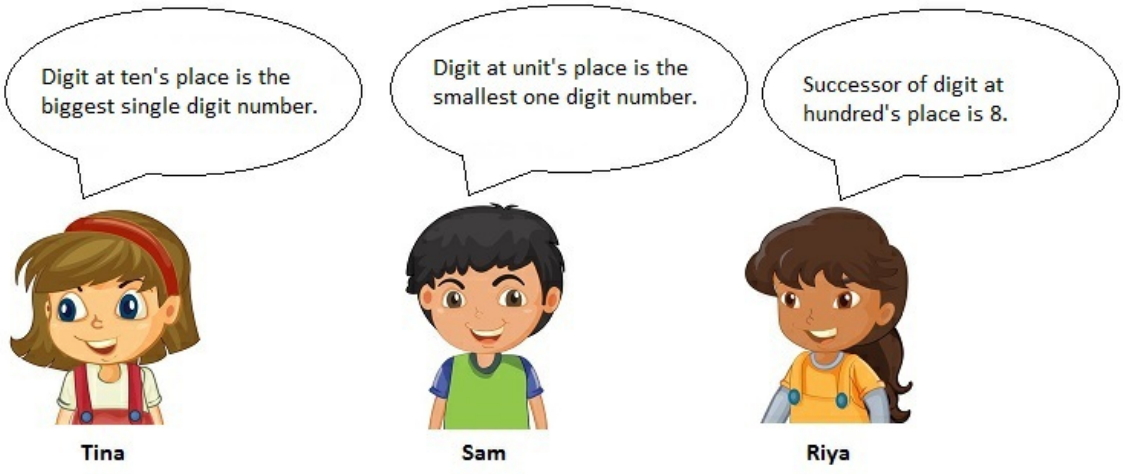
A. a **B**. b **C**. c **D**. d

10. If today is Saturday with date 3rd June. What will be the day on 15th June?

A. Thursday **B**. Friday **C**. Saturday **D**. Sunday

Maths

11. Tina, Sam and Riya observed a 3 digit number and made following statements. Which number are they talking about?



A. 891 **B**. 890 **C**. 790 **D**. 791

12. Select the correct sign to make the given expression true.

$$483 \times 6 + 75 \times 3 - 432 \square 648 \times 6 + 45 \times 2 - 234$$

A. < **B**. > **C**. = **D**. Can't be determined

13. The place value of 7 in 78996 is added to face value of 5 in 23450. The resulting number is _____ less than 75000.

Copyright @2025 Olympiad Genius. All rights reserved.

A. 67995 **B**. 4995 **C**. 4950 **D**. 68995

---

14. A number is two less than largest 4 digit number. What is the product of the number with the smallest 3 digit number?

A. 999900 **B**. 999700 **C**. 1000100 **D**. 10099

---

15. Which of the following is a valid roman number?

A. CDXXD **B**. CDXIX **C**. MCMXIVX **D**. MCCM

---

16. Amit is having 18 more chocolates than Ravi. Sumit is having 14 chocolates less than Ravi. Ravi is having 27 chocolates. Three friends decide to share the chocolates. What is the number of chocolates left after dividing the total number of chocolates among Amit, Sumit and Ravi equally?

A. 0 **B**. 1 **C**. 2 **D**. Can't be determined

---

17. Which of the following statements is correct?

A) All multiples of 3 are completely divisible by 9.
B) Count of commom multiples between 2 numbers is infinite.
C) Count of common multiples between prime numbers is only 1.
D) Smallest factor of a number is the number itself.

A. A **B**. B **C**. C **D**. D

---

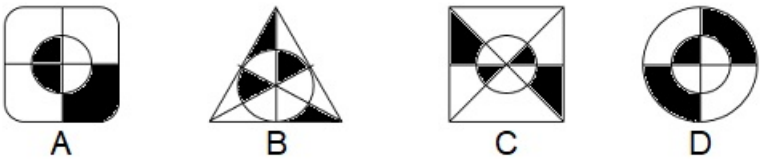
18. Ravi : 1, 3 and 9 are the common factors of 18 and 27.
Sonu : 9 is the H.C.F. of 18 and 27.
Sheena : 18 and 27 are the multiples of 9, 3 and 6.

Who is arguing incorrectly?

A. Ravi **B**. Sonu **C**. Sheena **D**. All are correct

---

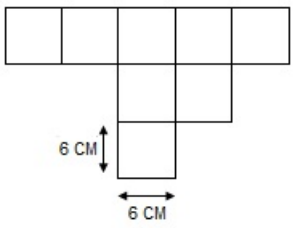
19. Which of the following is representing 1/3?



A. A **B**. B **C**. C **D**. D

---

20. Given figure is made up of identical squares of 6 cm sides. What is the perimeter of the figure?

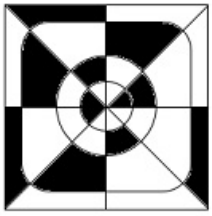


A. 90 cm **B**. 96 cm **C**. 102 cm **D**. 96 m

---

21. What fraction is represented by unshaded portion?

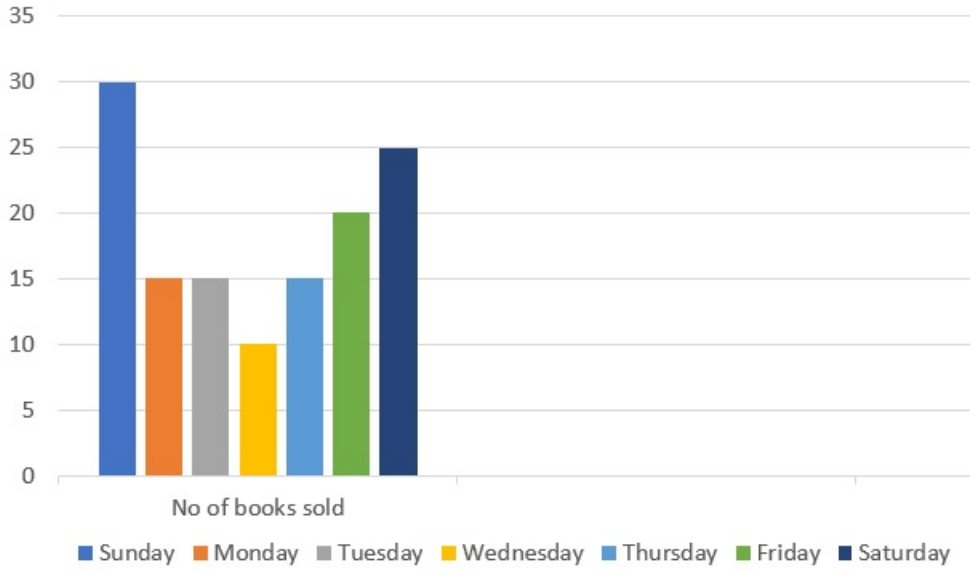
Copyright @2025 Olympiad Genius. All rights reserved.



A. 3/8 **B**. 2/9 **C**. 5/8 **D**. 4/8

---

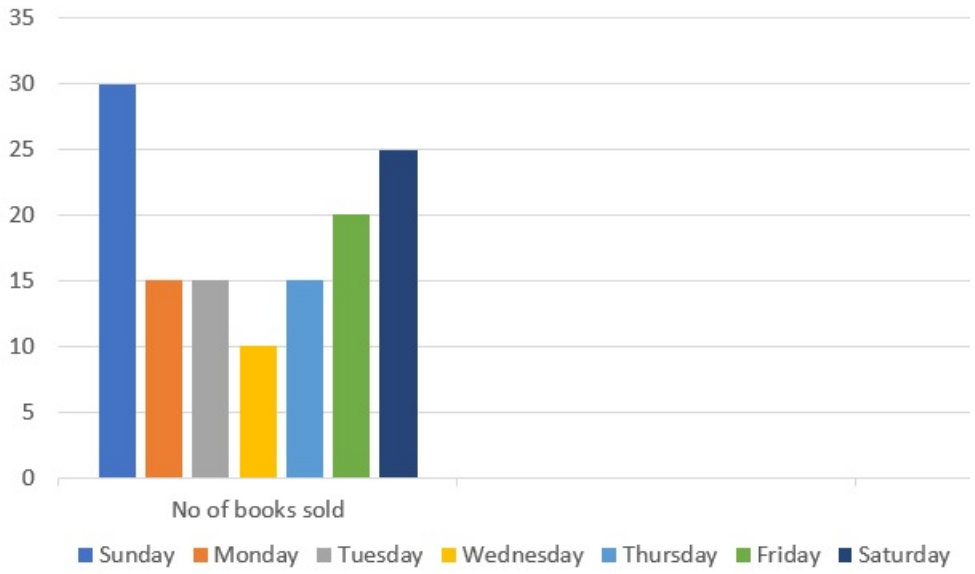
22. Vihaan sells book. Following is the graph represent his sales over a week. What is the difference in the number of books he sold on Monday with the number of books sold on least sale day?



A. 3 **B**. 5 **C**. 10 **D**. 15

---

23. Vihaan initially had 147 books. What is the number of books left with him after the week?



A. 27 **B**. 17 **C**. 37 **D**. 7

---

24. Riya was painting a scene of a forest. She completed the painting at 1 PM. It took her 1 hour and 45 minutes to complete the painting. When did she start the painting?

A. 11:15 PM **B**. 12:15 PM **C**. 11:15 AM **D**. 11:45 AM

Copyright @2025 Olympiad Genius. All rights reserved.

25. Soniya bought 2 packets of rice weighing 2 Kg 300 gms each, 1 packet of toor daal weighing 1 Kg and 7 packets of sugar weighing 500 gms each. What is total weight of the things she bought?

A. 9 Kg 100 gms **B**. 8 Kg 800 gms **C**. 8 Kg 500 gms **D**. 8 Kg 100 gms

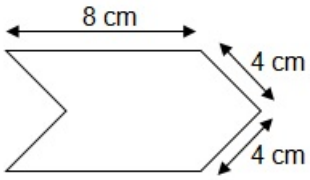
---

26. Deepti is 5 years older than her sister Priya. Priya is 28 years younger than their mother. What is the age of Deepti if the age of their mother is 35?

A. 7 years **B**. 5 years **C**. 12 years **D**. 2 years

---

27. What is the perimter of the figure?



A. 32 cm **B**. 40 cm **C**. 28 cm **D**. 36 cm

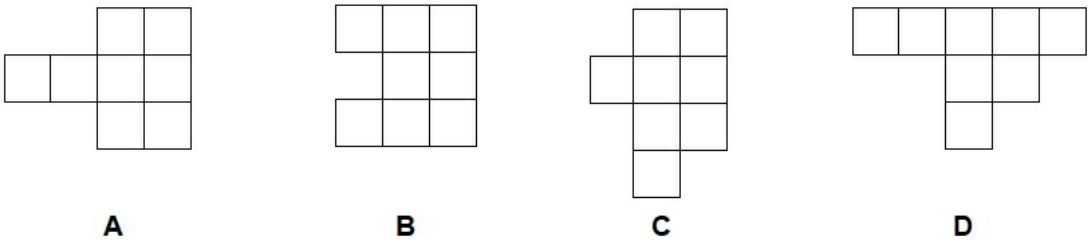
---

28. Tina gets Rs 15 as her pocket money daily. She spends Rs 7 and saves the rest. She received Rs 20 from her grandmother as .her birthday gift. She wants to buy a Doll pricing Rs 100. How many days will it take her to buy the doll?

A. 12 **B**. 13 **C**. 11 **D**. 10

---

29. If all small squares are identical then find the odd one out in terms of perimeter?



A. A **B**. B **C**. C **D**. D

---

30. Which of the following is the greatest?
A) 2/5
B) 3/6
C) 4/9
D) 3/7

A. A **B**. B **C**. C **D**. D

Achievers Section

---

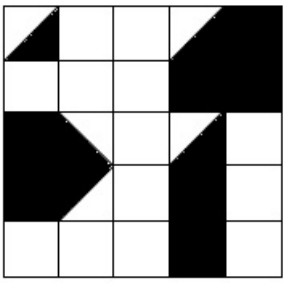
31. Shyam bought 5 Kg apples at a price of Rs. 75 per Kg and 2 Kg tomatoes He gave a Rs 500 note to the shopkeeper. Shopkeeper returned Rs 25. What is the price of 1 Kg Tomatoes?

A. Rs 50 **B**. Rs 100 **C**. Rs 25 **D**. Rs 375

---

32. What fraction of the figure is shaded?

Copyright @2025 Olympiad Genius. All rights reserved.



A. 17/50 **B**. 15/25 **C**. 15/50 **D**. 19/50

---

33. Sohan has 283 candies. He wants to distribute them equally among his 7 friends. What is the minimum number of candies does he need to make sure that all his friends are getting equal candies and no candies are left?

A. 3 **B**. 4 **C**. 40 **D**. 7

---

34. Ritu has a jar of 5 litre juice. She poured juice in 5 cups of equal capacity and left with 500 ml juice in the jar. What is the capacity of each cup?

A. 700 ml **B**. 900 litres **C**. 850 ml **D**. 900 ml

---

35. HCF of 2 numbers X and Y is 3 and LCM of 2 numbers is 18. Which of the following could be X and Y?

A. X = 8 and Y = 3 **B**. X = 4 and Y = 6 **C**. X = 6 and Y = 9 **D**. X = 12 and Y = 3

Copyright @2025 Olympiad Genius. All rights reserved.