

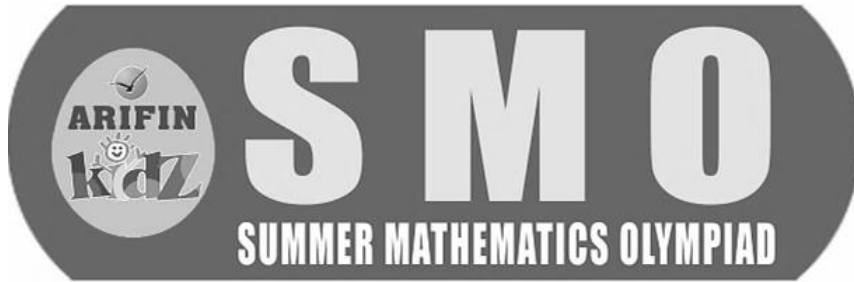
DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

Name:.....

Arifinkidz Roll No:.....

Total Questions: 35

Time: 60 Minutes




## Arifinkidz Summer Maths Olympiad 2024

CLASS

3

SET-A

### Guidelines for the Candidate

- ⚠ You will get additional 5 minutes to fill up information about yourself on the OMR Sheet, before the start of the exam.
  - ⚠ Write your **Name, School** and **Arifinkidz Roll No.** clearly on the OMR Sheet.
  - ⚠ The Question Paper comprises four sections:  
**Logical Reasoning, Mathematical Reasoning, Everyday Mathematics (30 Questions) and Achievers Section (5 Questions).**  
Each question in Achiever Section carries 2 marks, whereas all other questions carry one mark each.
  - ⚠ All questions are compulsory. There is no negative (-) marking.
  - ⚠ All questions are (MCQ) types. There is only ONE correct answer. Choose only ONE option for an answer.
  - ⚠ To mark your choice of answer by darkening the circles on the OMR Sheet, Use **HB Pencil** or **Blue/Black ball point pen** only. E.g.  
**Question:** Radha bought 10 candies. She ate 4 candies. How many candies are left with her?  
A. 5                      B. 4                      C. 6                      D. 7
- As the correct answer is option C, you must darken the circle  corresponding to option C on the OMR Sheet.
- ⚠ Return the OMR Sheet to the invigilator at the end of the exam.

## LOGICAL REASONING

1. In a row of 20 students, Seema is 5<sup>th</sup> from the left and Swati is 7<sup>th</sup> from the right. How many students are there between Seema and Swati?

(A) 10                      (B) 9                      (C) 8                      (D) 7

2. If Bhubaneswar means Patna, Patna means Lucknow, Lucknow means Gandhinagar, Gandhinagar means Bhopal, Bhopal means Panaji, then which is the Capital of Gujarat?

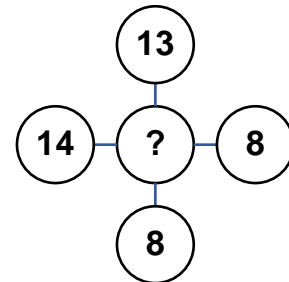
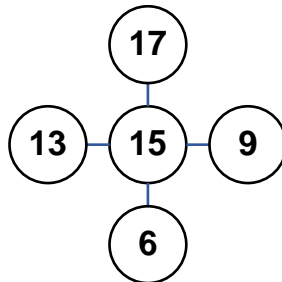
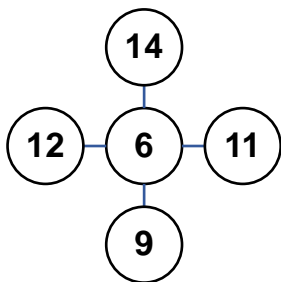
(A) Gandhinagar    (B) Lucknow              (C) Panaji              (D) Bhopal

3. Raj started his football practice on the 2<sup>nd</sup> Friday of August-2024. If he practices for 14 days, then on which date he will finish his practice? (Assume all Sundays and Wednesdays are holidays)

August -2024						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

- (A) 22<sup>nd</sup> August  
 (B) 24<sup>th</sup> August  
 (C) 27<sup>th</sup> August  
 (D) 28<sup>th</sup> August

4. Find the missing number in the given pattern.



- (A) 7                      (B) 16                      (C) 11                      (D) 10

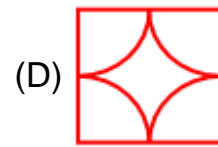
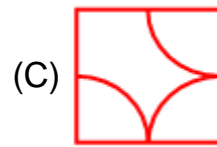
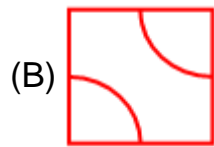
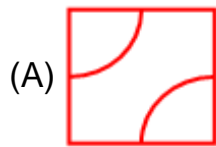
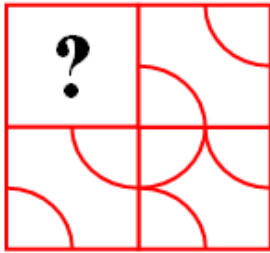
◀ SPACE FOR ROUGH WORK ▶

5. In these questions, the letters are linked in some way. Identify the relation and complete the last box.

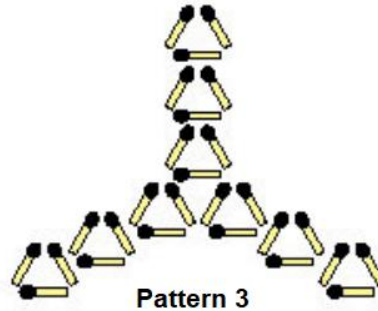
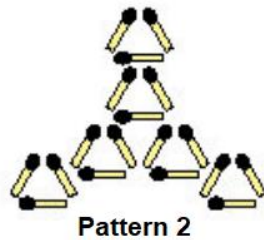
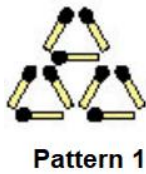
BDF : HJL, GIK : MOQ, LNP : ?

- (A) WAY                      (B) RTV                      (C) TVX                      (D) SUW

6. Which of the following options will complete the pattern in the given figure?



7. The sum of the number of matchsticks in Pattern 2 and Pattern 4 is \_\_\_\_\_.



(A) 18

(B) 54

(C) 27

(D) 45

8. In which of the following figures, Fig.(X) is exactly embedded as one of its part?

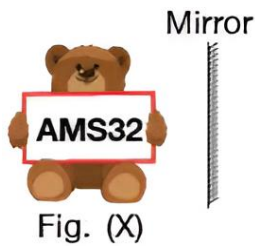


Fig.(X)



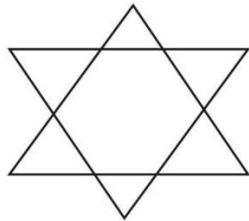
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9. Find the correct mirror image of Fig. (X).



- (A) (B) (C) (D)

10. How many triangles are there in the following figure?



- (A) 9 (B) 10 (C) 8 (D) 14

### MATHEMATICAL REASONING

11. Find the value of  $X + Y + Z$ .

4	6	Y	5
+			
X	2	5	Z
9	9	3	3

- (A) 19 (B) 20 (C) 18 (D) 21

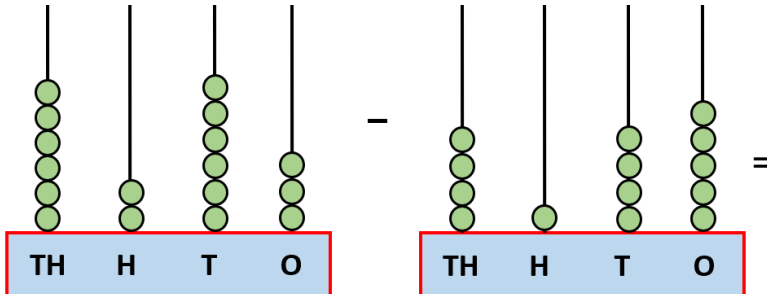
12. Which of the following options has the greatest value?

- (A) 110 tens + 63 ones – 54 tens + 78 ones  
 (B) 175 tens + 28 ones – 83 tens + 45 ones  
 (C) 89 tens + 58 ones – 45 tens + 28 ones  
 (D) 92 tens + 39 ones – 48 tens + 24 ones

◀SPACE FOR ROUGH WORK▶

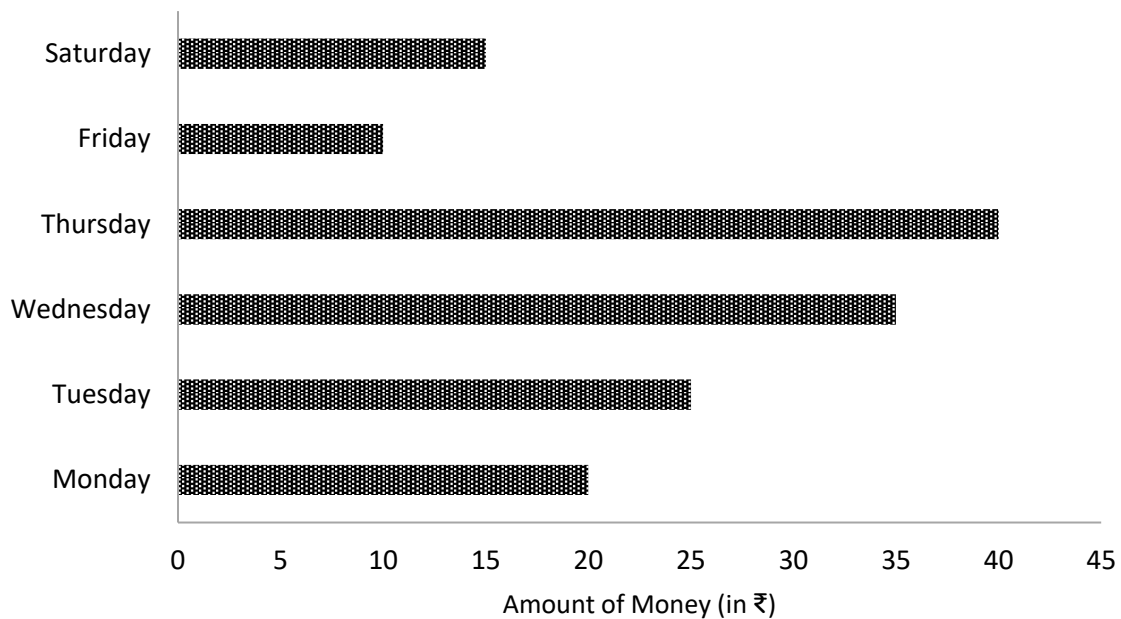
13. The remainder when 825 is divided by 9 is \_\_\_\_\_.
- (A) 5                      (B) 6                      (C) 7                      (D) 8

14. The value of



- (A) 2118                      (B) 2087                      (C) 3087                      (D) 2285

15. The given bar graph shows the money saved by Reyansh in a week.

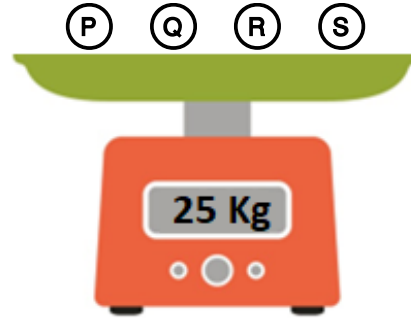
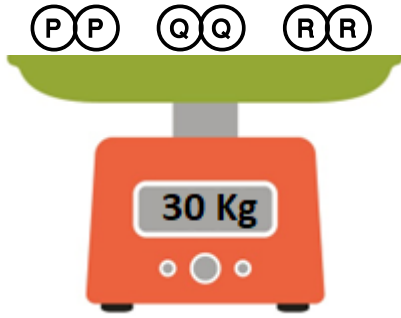


He saved \_\_\_\_\_ less on Thursday than Tuesday, Wednesday and Friday altogether.

- (A) ₹20                      (B) ₹40                      (C) ₹25                      (D) ₹30

◀ SPACE FOR ROUGH WORK ▶

16. What is the weight of **(S)** ?



- (A) 10 kg                      (B) 12 kg                      (C) 15 kg                      (D) 18 kg

17. What is the difference between the place value and the face value of 6 in the number 9643?

- (A) 6                              (B) 590                              (C) 594                              (D) 606

18. Find the meaningful combination of numbers so that the letters are rearranged accordingly to form a meaningful word.

N	P	O	G	A	T	N	E
1	2	3	4	5	6	7	8

- (A) 28165347                      (B) 21865734                      (C) 28165437                      (D) 28651437

19.  $\text{○} + \text{○} + \text{○} + \text{○} + \text{△} + \text{△} = 478$

$\text{○} + \text{○} + \text{△} + \text{△} = 236$

Then the value of **○** is \_\_\_\_\_.

- (A) 242                              (B) 240                              (C) 120                              (D) 121

20. Form the smallest 4-digit number by using 9, 0, 2 and 4 without repeating the digits.

- (A) 0249                              (B) 2094                              (C) 2049                              (D) 2409

◀SPACE FOR ROUGH WORK▶




**EVERYDAY MATHEMATICS**

21. In a train, there are 1879 first class seats and 2648 second class seats. What is the total number of seats in the train?  
(A) 4257                      (B) 5527                      (C) 4627                      (D) 4527
- 
22. The distance from Delhi to Mumbai is 2873 km and from Delhi to Kolkata is 2783 km. Find the actual and estimated difference of both the distances respectively, if distance is rounded off to the nearest 100.  
(A) 90 km, 50 km                      (B) 90 km, 100 km  
(C) 90 km, 0 km                      (D) 90 km, 40 km
- 
23. There are 246 apples in one basket. How many apples are there in 39 such baskets?  
(A) 959                      (B) 285                      (C) 9594                      (D) 5994
- 
24. Rohan needs 780 sweets for Diwali. The sweets come in a box of 12. How many boxes of sweets should he buy?  
(A) 60                      (B) 65                      (C) 55                      (D) 70
- 
25. Akshat collected 658 old coins; his friend collected 276 more old coins than him. How many old coins did they collect altogether?  
(A) 932                      (B) 384                      (C) 1592                      (D) 1492
- 
26. A tennis game lasted 90 minutes. It started at evening 7:15 and there was a ten minutes interval. At what time did the game finish?  
(A) 8:45 P.M.                      (B) 8 :55 A.M.                      (C) 9:55 P.M.                      (D) 8:55 P.M.
- 
27. There were 1210 cars in a parking, 175 were black, 250 were blue and the rest were grey. What fraction of cars are grey in the parking lot?  
(A)  $\frac{175}{242}$                       (B)  $\frac{175}{248}$                       (C)  $\frac{425}{1210}$                       (D)  $\frac{785}{1210}$
- 

◀SPACE FOR ROUGH WORK▶

28. A shopkeeper had 185 kg rice in the stock. He sold 29 kg 250 g on Monday and 120 kg 300 g on Tuesday. How much rice is left with him?  
(A) 36 kg 550g      (B) 36 kg 450 g      (C) 35 kg 450 g      (D) 36 kg 650 g

29. Ramesh bought two pens, a book and two water bottles. If he had 1020 rupees with him, then how much money was left with him after purchasing?

		
₹220	₹75	₹140

- (A) Rs 585      (B) Rs.650      (C) Rs. 370      (D) Rs.470





30. Two guests shake hands exactly once with one another. How many handshakes are exchanged among 5 guests?  
(A) 25      (B) 20      (C) 10      (D) 14

◀SPACE FOR ROUGH WORK▶

## ACHIEVERS SECTION

31. When the largest 3-digit number is divided by the smallest 2-digit number then-
- (A) Quotient = 9, Remainder = 99
  - (B) Quotient = 99, Remainder = 99
  - (C) Quotient = 99, Remainder = 9
  - (D) Quotient = 99, Remainder = 0

32. Select the correct match:

1. Quarter Past 7	A.	
2. Half past 7	B.	
3. Quarter to 8	C.	
4. Quarter to 12	D.	

(A) 1-B, 2-C, 3-D, 4-A

(B) 1-C, 2-D, 3-A, 4-B

(C) 1-D, 2-C, 3-A, 4-B

(D) 1-D, 2-C, 3-B, 4-A

◀ SPACE FOR ROUGH WORK ▶

33. Rohan has ₹1200. He bought 2 books, 3 watches and a teddy Bear. How much money is left with him?

		
$\frac{1}{4}$ of ₹900	$\frac{1}{2}$ of ₹290	$\frac{1}{3}$ of ₹390

- (A) ₹1015                      (B) ₹500                      (C) ₹180                      (D) ₹185

34. Select the correct match:

**Column I**

**Column II**

1. 98

P. XLIX

2. 67

Q. LII

3. 49

R. XCVIII

4. 52

S. LXVII

(A) 1-P, 2-Q, 3-R, 4-S

(B) 1-S, 2-R, 3-Q, 4-P

(C) 1-S, 2-R, 3-P, 4-Q

(D) 1-R, 2-S, 3-P, 4-Q

35. Read the statements carefully and identify the number?

- ❖ It is a four-digit odd number, whose unit's digit is 6 less than the thousand's digit.
- ❖ Its ten's digit is the hundred's digit of  $(462 + 389)$ .
- ❖ Its hundred's digit is the ten's digit of  $(1354 - 852)$ .
- ❖ Its thousand's digit is the largest one-digit number.

(A) 9703

(B) 9813

(C) 9603

(D) 9083

◀SPACE FOR ROUGH WORK▶

◀SPACE FOR ROUGH WORK▶

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