

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

Name:.....

Arifinkidz Roll No:.....

Total Questions: 35

Time: 1hr



Arifinkidz Summer Mathematics Olympiad 2023

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 (10 Questions), **Mathematical Reasoning** (10 Questions), **Everyday Mathematics** (10 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: Riya has 35 roses, which are 12 more than the number of roses Radhika has. How many roses Radhika has?

A. 20

B. 15

C. 23

D. 22



As the correct answer is option C, you must darken the circle corresponding to option C on the OMR Sheet.

- Rough work should be done in the blank space provided in the booklet.
- Return the OMR Sheet to the invigilator at the end of the exam.

LOGICAL REASONING

1. 

If two flowers U and V are removed from the given arrangement then which flower will be 2nd to the right of 7th flower from the right end?

- (A) R (B) T (C) Q (D) V







2. Which of the following words cannot be formed from the letters of the given word?

P E R S O N A T E D

- (A) PASTE (B) PATRIOT (C) POETS (D) TENSED

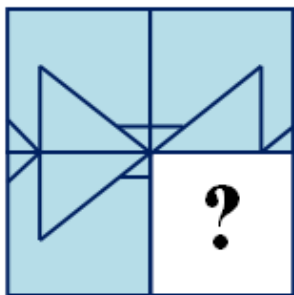
3. EDCBA : ABCDE :: ZYXWV : _____.

- (A) FGHIJ (B) VWXYZ (C) VWYXZ (D) VWZYX

4. If  means ,  means  and  means , then which of the following can roll but not slide?

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

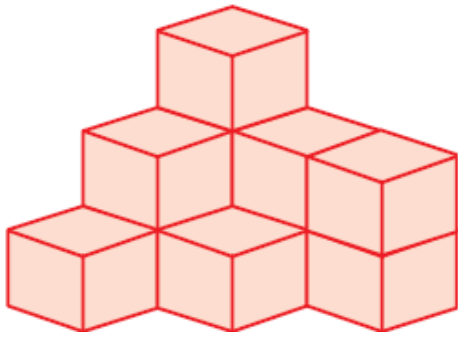
5. Which of the following options will complete the pattern in the given figure?



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

—SPACE FOR ROUGH WORK—

6. Find the cubes in the given figure.



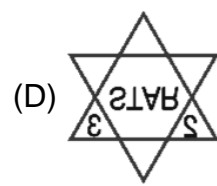
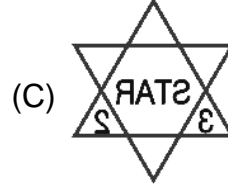
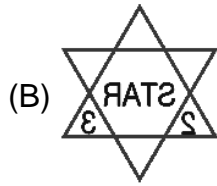
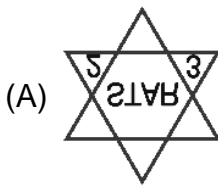
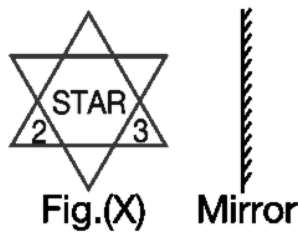
(A) 9

(B) 10

(C) 12

(D) 11

7. Which of the following options shows the correct mirror image of Fig.(X)?



8. Find the odd one out.

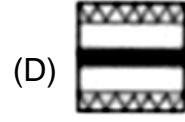
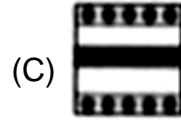
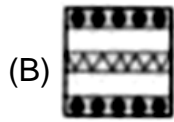
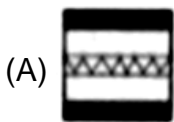
(A) S19P16

(B) L12O15

(C) T20V21

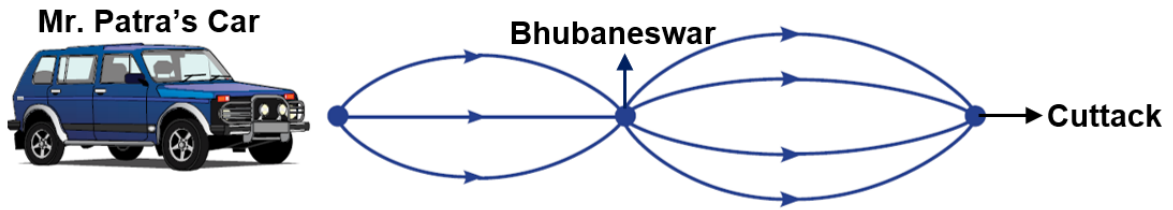
(D) E5G7

9. Which pattern below completes the second pair in the same way as the first pair?



—SPACE FOR ROUGH WORK—

10. Mr. Patra needs to drive to Cuttack via Bhubaneswar to meet Mr. Sahoo. Below shows the routes that he can take.



- How many different ways are there for Mr. Patra to go to Bhubaneswar?
 (A) 12 (B) 15 (C) 10 (D) 8

MATHEMATICAL REASONING

11. The clock shown below is running late by 25 minutes. What is the actual time?



- (A) 5:05 am (B) 5:10 am (C) 5:00 am (D) 4:20 am

12. If $\text{circle} + \text{circle} + \text{circle} + \text{circle} + \text{triangle} + \text{triangle} = 478$

$\text{circle} + \text{circle} + \text{triangle} + \text{triangle} = 236$

then the value of circle is _____

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

13. Find the value of P and Q respectively.

$$\begin{array}{r} 90P34 \\ - 793Q5 \\ \hline 10909 \end{array}$$

- (A) 3, 2 (B) 2, 2 (C) 2, 0 (D) 3, 0

—SPACE FOR ROUGH WORK—

14. Which of the following numbers does the boy like?

A boy like these.



He does not like these.

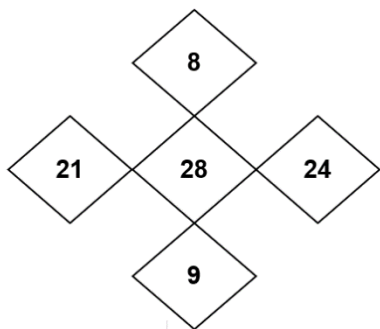


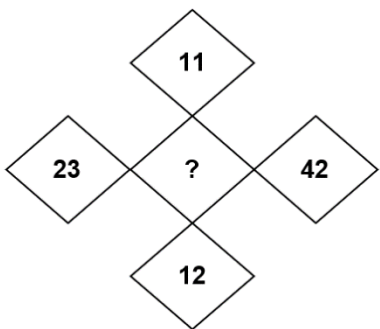
- (A) 144 (B) 409 (C) 548 (D) 617

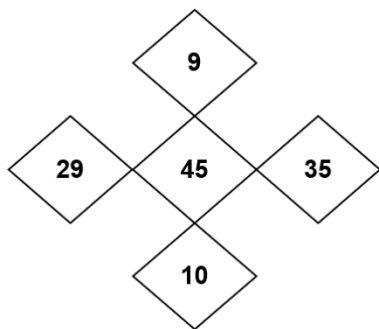
15. If day after tomorrow is Sunday, then what was the day before yesterday?

- (A) Friday (B) Thursday (C) Wednesday (D) Tuesday

16. Find the missing number in the given number pattern.

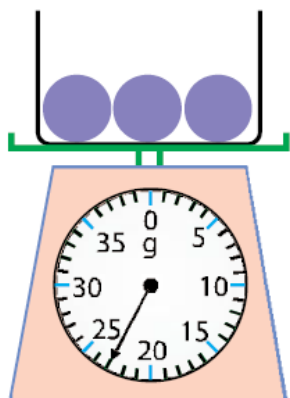


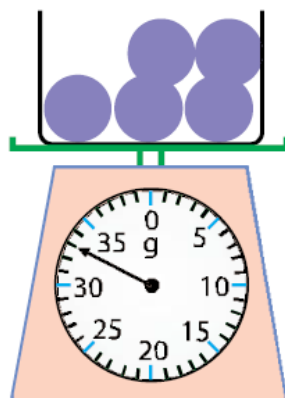




- (A) 30 (B) 42 (C) 48 (D) 52

17. Find the weight of the empty container, if the weight of each ball is equal.





- (A) 8 g (B) 10 g (C) 2 g (D) 5 g

—SPACE FOR ROUGH WORK—

18. Mohit went to a historical place which is 1023 km from his village. He cycled 29 km around the city to visit all the important places and took a train back to home. What is the total distance covered by him?

- (A) 1052 km (B) 2075 km (C) 2104 km (D) 1081 km
-

19. In a row of students Sujata is standing 17th from the right and 29th from the left. How many students are there in the row?

- (A) 46 (B) 44 (C) 45 (D) 47
-

20. Rohit is making this calendar for the bulletin board. Which day of the week should be 25th December 20XX?

December 20XX						
Sun	Mon	Tues	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14

- (A) Tuesday (B) Thursday (C) Wednesday (D) Monday
-

—SPACE FOR ROUGH WORK—

EVERYDAY MATHEMATICS

21. Payal watched a movie. Which started at 9:40 am and ended at 12:20 pm. How long did the movie last?
(A) 2 hours 10 min (B) 3 hours 40 min (C) 2 hours 40 min (D) 2 hours 20 min
-
22. In a bus, there are 73 passengers, out of these, $\frac{38}{73}$ are women. Find the number of men in the bus?
(A) 38 (B) 35 (C) 36 (D) 45
-
23. 735 mangoes were packed in 7 cartons. If each carton contains the same number of mangoes, then how many mangoes are kept in each carton?
(A) 15 (B) 115 (C) 105 (D) 5145
-
24. Sonia has 375 chocolates. Reena has 118 more chocolates than Sonia. Rohan has 80 more chocolates than Reena. Find the number of chocolates they have altogether?
(A) 493 (B) 573 (C) 1066 (D) 1441
-
25. Seema drinks 18 glasses of water in one day. If she drinks the same amount of water every day then how much water does she drink in one week?
(A) 116 (B) 144 (C) 126 (D) 136
-
26. The difference between the place value of '9' and '6' in 89265 is:
(A) 8960 (B) 9060 (C) 8840 (D) 8940
-
27. In a garden there are 3 children, 2 men, 1 dog and 1 octopus. How many legs are there altogether?
(A) 20 (B) 22 (C) 24 (D) 28
-

—SPACE FOR ROUGH WORK—

28. Identify the number: -

- I am an odd number
- My ten's digit is the largest one-digit number
- My thousand's digit is 1 less than my ten's digit.
- My hundred's digit is 1 less than my one's digit.

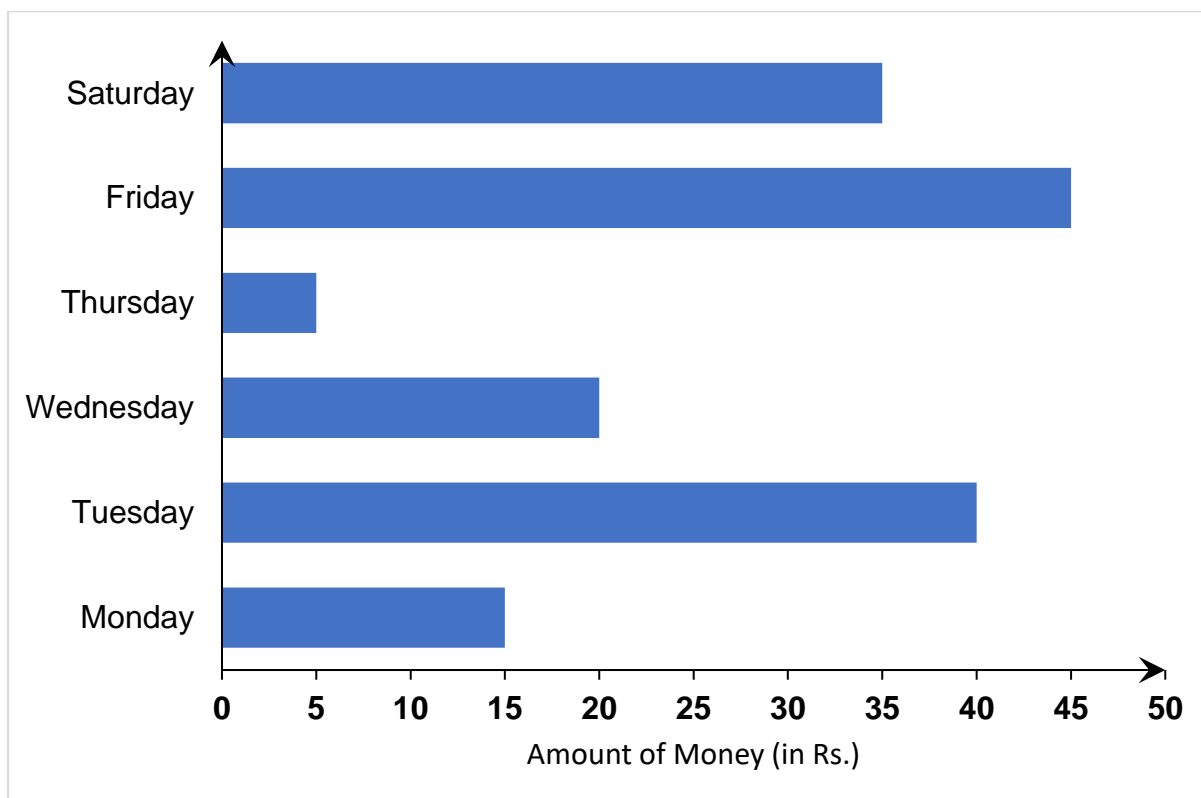
(A) 8192

(B) 9385

(C) 8495

(D) 8597

Directions (29-30): The given bar graph shows the money saved by Mandeep in a week. Answer the following questions.



29. He saved _____ less on Friday than on Tuesday and Saturday altogether.

(A) Rs.35

(B) Rs.30

(C) Rs.25

(D) Rs.40

30. He saved _____ more on Tuesday and Friday altogether than on Saturday and Monday altogether.

(A) Rs.35


(B) Rs.30











(C) Rs.40

(D) Rs.25

—SPACE FOR ROUGH WORK—

ACHIEVERS SECTION

31. Find the value of .

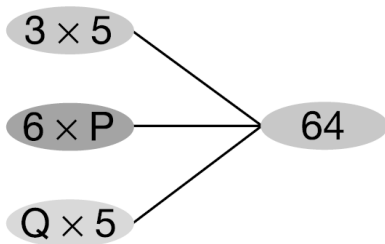
 +  = 12;  +  = 17;  -  = 9;  =  ×  -  = ?

(A) 11 (B) 16 (C) 20 (D) 14

32. Look at the given number bond.

Q is 1 more than P.

Then, $P + Q =$ _____.



- (A) 1 (B) 5 (C) 6 (D) 9

33. Sidiksha has ₹ 950. If she buys 2 dolls, 3 hen and 2 teddy bears, how much money will be left with her?



$\frac{1}{4}$ of ₹ 480




$\frac{1}{3}$ of ₹ 360



$\frac{1}{2}$ of ₹ 160

- (A) ₹ 350 (B) ₹ 230 (C) ₹ 250 (D) ₹ 420

—SPACE FOR ROUGH WORK—

34. What is the weight of one  ?



(A) 26 kg

(B) 42 kg

(C) 24 kg

(D) 36 kg

35. Ram, Rajni, Rohit and Randhir are four friends having ₹ 500 each. They bought the following items for party.

Ram	Rajni	Rohit	Randhir
Juice bottle – ₹ 120	Burger – ₹ 55	French fries – ₹ 75	Garlic bread – ₹ 90
Pizza – ₹ 170	Cold drink – ₹ 115	Vanilla shake - ₹115	Hot dog – ₹ 80
Sandwich – ₹ 45	Noodles – ₹ 90	Dosa - ₹120	Oreo shake - ₹105

Match each person in Column-1 with the amount left with them in Column-2.

Column-1

Column-2

P. Randhir

1. ₹ 190

Q. Ram

2. ₹ 240

R. Rohit

3. ₹ 165

S. Rajni

4. ₹ 225

(A) P→3, Q→4, R→1, S→2

(B) P→4, Q→3, R→2, S→1

(C) P→4, Q→3, R→1, S→2

(D) P→1, Q→4, R→3, S→2

—SPACE FOR ROUGH WORK—

—SPACE FOR ROUGH WORK—

—SPACE FOR ROUGH WORK—