Math Olympiad Practice

GRADE 2 | ORIGINAL MOCK TEST 01

Think carefully. Choose one answer.

35 questions / 60 minutes / 40 marks

Name: _____

Date: _____

Logical Reasoning	1-10	10 x 1 = 10
Mathematical Reasoning	11-20	10 x 1 = 10
Everyday Mathematics	21-30	10 x 1 = 10
Achievers Section	31-35	5 x 2 = 10

Circle A, B, C or D for each question.

Each question has only one correct answer.

There is no negative marking. Do not use a calculator.

For parents: Read unfamiliar words aloud if needed, without explaining how to solve the question. For a timed practice, start the clock after these instructions.

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Logical Reasoning

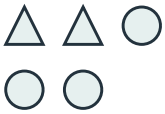
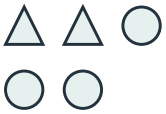
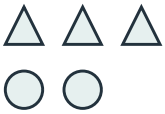
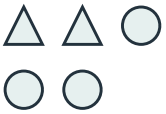
Questions 1-5 | 1 mark each

1. Which arrow comes next in the pattern?



A. 
B. 
C. 
D. 

2. Which group does not belong with the other three?

A. 
B. 
C. 
D. 

3. Remove Q and U from the row.
Which letter is now third from the right?



A. S B. T C. V D. R

4. Art classes are held every Wednesday and Saturday.
How many art classes are held in this month?

A 30-day month

Mon	Tue	Wed	Thu	Fri	Sat	Sun
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					

A. 6 B. 7 C. 8 D. 9

5. Which picture contains the target shape?
Do not turn or flip the target.


Target

A. 
B. 
C. 
D. 

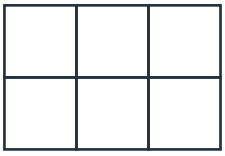
Logical Reasoning

Questions 6-10 | 1 mark each

6. Arun is taller than Bala. Dev is shorter than Bala. Charu is taller than Arun. Who is second tallest?

A. Bala B. Charu C. Dev D. Arun

7. How many rectangles are in the grid? Count squares as rectangles too.

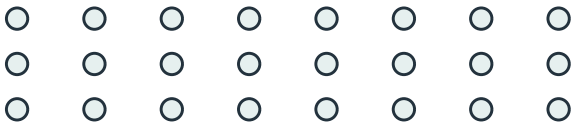


A. 12 B. 15 C. 18 D. 24

8. In a code, sun is called moon, moon is called star, and star is called cloud. What is the object that gives us daylight called in this code?

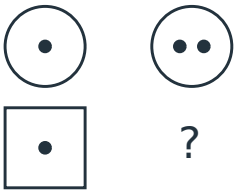
A. Moon B. Star C. Sun D. Cloud

9. All these counters are shared equally among 6 children. How many counters does each child get?



A. 4 B. 5 C. 6 D. 3

10. Look at the two rows. Which picture completes the bottom row?



A. 
B. 
C. 
D. 

Mathematical Reasoning

Questions 11-15 | 1 mark each

11. Which number is equal to 3 hundreds, 17 tens and 8 ones?

A. 378 B. 478 C. 438 D. 578

12. Each letter stands for one digit.
Find the value of A + B.

$$\begin{array}{rrrr} & 8 & A & 4 \\ - & 3 & 7 & B \\ \hline & 4 & 5 & 6 \end{array}$$

A. 5 B. 8 C. 10 D. 11

13. Find the number: its tens digit is 3, its ones digit is twice its tens digit, and its hundreds digit is 1 more than its ones digit.

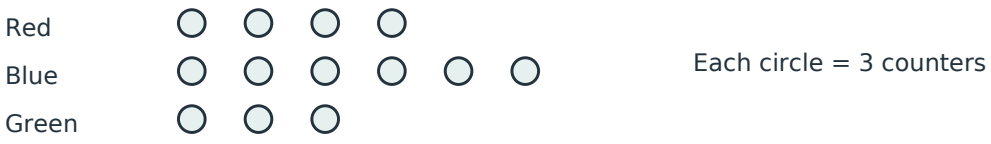
A. 763 B. 736 C. 637 D. 367

14. What is the length of the strip shown on the ruler?



A. 11 cm B. 14 cm C. 8 cm D. 3 cm

15. The picture shows coloured counters. How many more blue and green counters together are there than red counters?



A. 5 B. 9 C. 12 D. 15

Mathematical Reasoning

Questions 16-20 | 1 mark each

16. This clock is 20 minutes fast. What is the correct time?



A. 9:45 B. 10:25 C. 9:25 D. 10:45

17. Which list puts the numbers from smallest to greatest?

P: 4 hundreds + 8 ones **Q: 38 tens**

R: 3 hundreds + 12 tens **S: 41 tens**

A. P, Q, S, R B. Q, P, R, S C. Q, P, S, R D. R, S, P, Q

18. A cube is made using sticks for edges and clay balls for corners.
How many sticks and clay balls are needed?

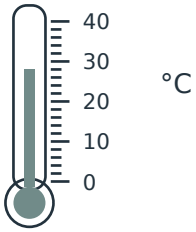
A. 8 sticks, 12 balls B. 12 sticks, 8 balls C. 6 sticks, 8 balls D. 12 sticks, 6 balls

19. Identical shapes have the same value.
How much greater is the square's value than the circle's?



A. 3 B. 8 C. 4 D. 12

20. The thermometer shows the afternoon temperature.
The morning was 6°C cooler. What was the morning temperature?



A. 20°C B. 22°C C. 28°C D. 34°C

Everyday Mathematics

Questions 21-25 | 1 mark each

21. A school collected 286 notebooks on Monday and 157 on Tuesday. How many notebooks did it collect altogether?

A. 443 B. 433 C. 343 D. 453

22. A bookshop sold 248 books and had 169 books left. How many books did it have before the sale?

A. 417 B. 407 C. 379 D. 79

23. Nora buys 2 bottles and 3 badges. She pays Rs 150. How much change should she get?

Item	Price
Bottle	Rs 35
Notebook	Rs 18
Badge	Rs 12

A. Rs 106 B. Rs 62 C. Rs 56 D. Rs 44

24. A gardener plants 56 seeds equally in 7 pots. How many seeds are planted in each pot?

A. 7 B. 9 C. 6 D. 8

25. Leena has 246 stamps. Ravi has 58 fewer stamps than Leena. How many stamps do they have altogether?

A. 434 B. 188 C. 304 D. 492

Everyday Mathematics

Questions 26-30 | 1 mark each

26. A dance class starts at the time shown in the afternoon. It lasts 1 hour 50 minutes. At what time does it finish?



A. 4:15 p.m. B. 5:25 p.m. C. 5:15 p.m. D. 4:50 p.m.

27. Rohan walks from Home to Library and then to School. What is the total distance he walks?



A. 390 m B. 423 m C. 73 m D. 565 m

28. A full jug holds 6 cups of juice. Four full jugs are poured into a tank. Then 7 cups are served. How many cups remain?

A. 17 B. 24 C. 13 D. 31

29. A library has 9 shelves with 24 books on each shelf. How many books are on these shelves altogether?

A. 33 B. 206 C. 2160 D. 216

30. Five pieces, each 8 cm long, are cut from a 57 cm ribbon. What length of ribbon is left?

A. 40 cm B. 49 cm C. 17 cm D. 9 cm

Achievers Section

Questions 31-35 | 2 marks each

31. Meera has one Rs 50 note and four coins. Each coin is either Rs 5 or Rs 2. Her total is Rs 64. How many Rs 5 coins has she?

A. 1 B. 3 C. 2 D. 4

32. The puzzle round starts at 2:40 p.m. The activities follow one after another. At what time does the games round end?

Activity	Time needed
Puzzle round	35 minutes
Break	15 minutes
Games round	45 minutes

A. 3:55 p.m. B. 4:15 p.m. C. 4:00 p.m. D. 4:25 p.m.

33. Use the digit cards 0, 5 and 8 once each in each number. Form the greatest EVEN 3-digit number and the smallest ODD 3-digit number. What is the difference between them?

A. 45 B. 342 C. 72 D. 225

34. All bags weigh the same. All blocks weigh the same. Use the two clues below to find the weight of 2 bags.

1 bag + 2 blocks = 17 kg **1 bag + 5 blocks = 29 kg**

A. 18 kg B. 9 kg C. 8 kg D. 26 kg

35. Tickets cost Rs 8 per adult and Rs 5 per child. How much more ticket money is collected in the afternoon than in the morning?

	Adults	Children
Morning	○ ○	△ △ △ △
Afternoon	○ ○ ○ ○	△ △ △

Each circle or triangle stands for 3 visitors.

A. Rs 18 B. Rs 30 C. Rs 36 D. Rs 33