Math Olympiad Practice

GRADE 3 | 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: Let your child attempt the paper independently. Read unfamiliar words aloud if needed, without explaining how to solve the question. Start the timer after these instructions.

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Logical Reasoning

Questions 1-5 | 1 mark each

1. The squares are made with matchsticks. Shared sides use one stick.
How many sticks are needed for Pattern 2 and Pattern 5 together?



Pattern 1 Pattern 2 Pattern 3

A. 23 B. 21 C. 20 D. 25

2. Three pairs follow the same rule. Which pair does NOT belong?

A. 3 → 12 B. 5 → 20 C. 7 → 27 D. 9 → 36

3. Which word CANNOT be made using letters from CELEBRATION?
Use a letter no more times than it appears in CELEBRATION.

A. RELATION B. NOTICE C. CREATION D. BALLOON

4. In a code, BAG is written as CBH. How is HEN written?

A. IFO B. IFN C. GDM D. JGP

5. Swap R and X, then remove Q.
Which letter is now fifth from the left?



Left Right

A. T B. V C. U D. W

Logical Reasoning

Questions 6-10 | 1 mark each

6. Which option is the mirror image of the flag and dots?
The mirror is the vertical line on the right of the target.



A. 

B. 

C. 

D. 

7. Which picture contains the target shape?
Do not turn, flip or resize the target.



Target

A. 

B. 

C. 

D. 

8. Choose one path from Start to Park, then one from Park to Museum.
How many different complete routes can you take?



A. 5 B. 9 C. 8 D. 6

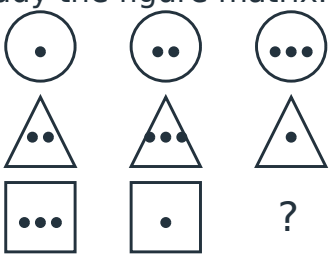
9. A club meets on Saturdays and Sundays, but skips the last Sunday.
How many meetings are held in this month?

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. 8 C. 7 D. 9

10. Study the figure matrix. Which picture replaces the question mark?



A. 

B. 

C. 

D. 

Mathematical Reasoning

Questions 11-15 | 1 mark each

11. Which number name represents 6 thousands + 15 tens + 9 ones?

A. Six thousand five hundred nineteen
B. Six thousand one hundred fifty-nine
C. Six thousand fifty-nine
D. Six thousand one hundred ninety-five

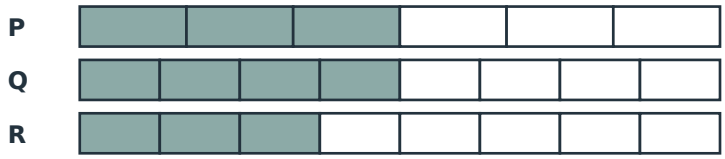
12. The hundreds digit and ones digit of 8053 are swapped.
How much greater is the new number than 8053?

A. 303 B. 270 C. 297 D. 300

13. A number divided by 7 gives quotient 106 and remainder 3.
What is the number?

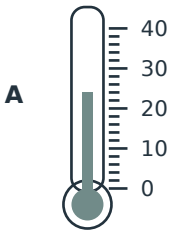
A. 745 B. 742 C. 739 D. 751

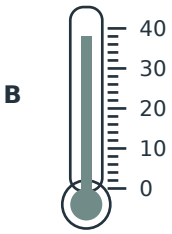
14. Which two strips have the same fraction shaded?



A. P and R B. Q and R C. P and Q D. All three

15. Thermometer B shows a warmer place than A.
Temperature B drops by 5°C. How much warmer is B now than A?





Both scales are in °C.

A. 19°C B. 14°C C. 9°C D. 7°C

Mathematical Reasoning

Questions 16-20 | 1 mark each

16. A shop sells notebooks only in packs of 3. Riya buys 2 packs and 2 markers. What is the total cost?

Item	Price
Pack of 3 notebooks	Rs 84
One marker	Rs 29

A. Rs 198 B. Rs 226 C. Rs 142 D. Rs 168

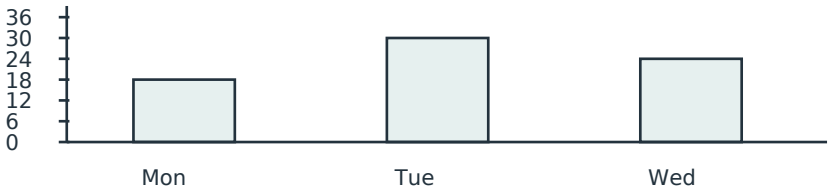
17. Using their flat faces as stamps, which pair of solids can make a circle and a square, respectively?

A. Cube and cylinder
B. Cylinder and cube
C. Sphere and cube
D. Cone and sphere

18. A machine multiplies a number by 6, subtracts 18, then divides by 3. The result is 14. What was the starting number?

A. 7 B. 10 C. 12 D. 16

19. How many fewer books were borrowed on Monday than on Tuesday and Wednesday together?



A. 36 B. 24 C. 30 D. 18

20. Round EACH number to the nearest hundred, then add: 3568 + 2149. What is the estimated sum?

A. 5700 B. 5600 C. 5800 D. 5717

Everyday Mathematics

Questions 21-25 | 1 mark each

21. A warehouse had 1684 cartons. It received 935 more cartons and sent out 1178. How many cartons are there now?

A. 2619 B. 1541 C. 1441 D. 512

22. There are 48 children in a choir. Three-eighths wear blue badges. The rest wear green badges. How many wear green badges?

A. 18 B. 30 C. 24 D. 42

23. A 12 m 40 cm ribbon is cut into 8 equal pieces. What is the length of each piece?

A. 1 m 5 cm B. 1 m 50 cm C. 1 m 55 cm D. 15 m 50 cm

24. Three bags each weigh 1 kg 750 g. They are packed in a box weighing 650 g. What is the total weight of the box and bags?

A. 5 kg 900 g B. 5 kg 250 g C. 4 kg 900 g D. 6 kg 150 g

25. A tank contains 6 L of juice. Eight cups, each holding 450 mL, are filled from it. How much juice remains in the tank?

A. 3 L 600 mL B. 2 L 600 mL C. 5 L 550 mL D. 2 L 400 mL

Everyday Mathematics

Questions 26-30 | 1 mark each

26. A train leaves at the time shown at night. Its journey takes 2 hours 35 minutes. At what time does it arrive the next day?



Night

A. 12:20 a.m. B. 1:20 p.m. C. 1:10 a.m. D. 1:20 a.m.

27. A stall sells 14 packets of pencils, with 18 pencils in each packet, and 25 single pencils. How many pencils does it sell altogether?

A. 277 B. 252 C. 267 D. 297

28. 137 tickets are put into packs of 8. Only full packs are made. How many full packs are made, and how many tickets remain?

137 tickets 8 tickets in each full pack

A. 16 packs, 9 left B. 17 packs, 1 left

C. 18 packs, 1 left D. 17 packs, 0 left

29. Five identical brushes and 2 paint pots cost Rs 184 altogether. Each paint pot costs Rs 27. What is the cost of one brush?

A. Rs 31 B. Rs 26 C. Rs 130 D. Rs 37

30. A coach buys 3 bats at Rs 315 each and 2 balls at Rs 148 each. She pays Rs 1500. How much change should she receive?

A. Rs 407 B. Rs 1241 C. Rs 269 D. Rs 259

Achievers Section

Questions 31-35 | 2 marks each

31. A craft box has 96 beads. One-third are used for a bracelet. Then three-eighths of the remaining beads are used for a keyring. How many beads are left in the box?

A. 24 B. 32 C. 60 D. 40

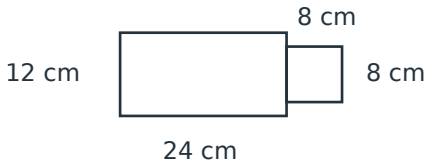
32. A family takes a bus and then a train, as shown in the table. How long do they wait at the station, and when does the train arrive?

Journey stage	Information
Bus leaves home	8:35 a.m.
Bus journey to station	1 hour 45 minutes
Train leaves station	11:05 a.m.
Train journey	2 hours 50 minutes

A. 35 min; 1:55 p.m. B. 45 min; 1:55 p.m.

C. 45 min; 1:45 p.m. D. 55 min; 2:05 p.m.

33. Find the length of the OUTSIDE boundary of the joined shape. All lengths shown are in centimetres.



A square is attached to a rectangle.

A. 104 cm B. 96 cm C. 80 cm D. 88 cm

34. Identical shapes have the same value in all three statements. What is the value of TWO squares and ONE circle together?

△ + □ = 23

△ + ○ = 17

□ + ○ = 20

A. 33 B. 30 C. 36 D. 43

35. The shelves hold the books shown. Half the storybooks and one-third of the science books are borrowed. No puzzle books are borrowed. How many books remain on the shelves?



Each square = 6 books

A. 65 B. 54 C. 31 D. 75