
IQNEXUS MATHEMATICS OLYMPIAD (IQMO)

Sample Paper | Class 5 | Session: 2025

Challenging Minds, Building Futures

General Instructions:

- **Total Questions:** 30
- **Total Marks:** 100
- **Time Allowed:** 1 Hour
- **All questions are compulsory.**
- Each question has **four options**, only one is correct.

STUDENT DETAILS

- **Student Name:** _____
- **Class:** _____ **Section:** _____
- **Exam Roll No.:** _____
- **School Name:** _____

PATTERN & MARKING SCHEME

SECTION 1: NUMBER SENSE & OPERATIONS (10

Questions, 30 Marks)

Q1. What is the **sum of the smallest prime number and the largest single-digit number?**

- A) 8
- B) 9
- C) 10
- D) 11

Q2. The number **7,05,480** is read as:

- A) Seven lakh five thousand four hundred eighty
- B) Seventy lakh five thousand four hundred eighty
- C) Seven lakh fifty-four thousand eighty
- D) Seven lakh five hundred forty-eight

Q3. If $987 \times 23 = P$, what is the value of $P \div 23$?

- A) 987
- B) 23
- C) 1
- D) 0

Q4. The sum of **two consecutive even numbers is 78**. Find the numbers.

- A) 38, 40
- B) 36, 38
- C) 40, 42
- D) 34, 36

Q5. The product of **three consecutive odd numbers is 693**. Find the smallest number.

- A) 5
- B) 7
- C) 9
- D) 11

Q6. The remainder when **123456 is divided by 9** is:

- A) 0
- B) 3
- C) 6
- D) 9

Q7. How many times does **3 appear** in the numbers from **1 to 100**?

- A) 10
- B) 18
- C) 20
- D) 22

SECTION 2: PATTERNS & LOGICAL THINKING (5 Questions, 15 Marks)

Q1. A book costs **₹80**. If its price is increased by **15%**, what will be the new price?

- A) ₹90
- B) ₹92

- C) ₹98
- D) ₹100

Q2. Find the odd one out:

- A) 27
- B) 64
- C) 125
- D) 225

Q3. If a person faces **north**, turns **90° clockwise**, then **180° counterclockwise**, which direction is he facing now?

- A) North
 - B) South
 - C) East
 - D) West
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SECTION 3: WORD PROBLEMS & APPLICATIONS (10 Questions, 35 Marks)

Q1. A car moves at **60 km/hr**. How long will it take to cover **240 km**?

- A) 2 hours
- B) 3 hours
- C) 4 hours
- D) 5 hours

Q2. A box contains **red, blue, and green balls** in the ratio **3:2:5**. If there are **60 balls in total**, how many are green?

- A) 20
- B) 25
- C) 30
- D) 35

Q3. The sum of **two numbers is 96** and their ratio is **5:7**. Find the numbers.

- A) 30, 66
 - B) 35, 61
 - C) 40, 56
 - D) 45, 51
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SECTION 4: ACHIEVERS SECTION (5 Questions, 20 Marks)

Q1. A 3D shape has **6 faces, 12 edges, and 8 vertices**. Identify the shape.

- A) Cube
- B) Cylinder
- C) Cone
- D) Triangular Prism

Q2. A wire **180 cm long** is bent into a rectangle **4 times as long as it is wide**. Find its width.

- A) 9 cm
- B) 10 cm
- C) 18 cm
- D) 15 cm

Q3. A tank has a **capacity of 500 liters** and is currently **40% full**. How much more water is needed to fill it completely?

- A) 100 L
 - B) 200 L
 - C) 250 L
 - D) 300 L
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answers

SECTION 1: NUMBER SENSE & OPERATIONS

1. D) 11
2. A) Seven lakh five thousand four hundred eighty
3. A) 987
4. A) 38, 40
5. B) 7
6. B) 3
7. C) 20

SECTION 2: PATTERNS & LOGICAL THINKING

1. B) ₹92
2. D) 225
3. D) West

SECTION 3: WORD PROBLEMS & APPLICATIONS

1. C) 4 hours
2. C) 30
3. C) 40, 56

SECTION 4: ACHIEVERS SECTION

1. A) Cube
2. C) 18 cm
3. D) 300L