

SCO INTERNATIONAL MATHS OLYMPIAD

CLASS 3 | QUESTION PAPER SET H | 2024-25

Solved and formatted edition with answer key, explanations, and corrected question blocks

Designed for website publishing, student practice, teacher review, and parent-guided preparation.

- 35 carefully formatted questions across General Mathematics, Assertion and Reason, Everyday Mathematics, and Achievers Section.
- Each question is placed in a clean question block with options, correct answer, and explanation.
- Passage-style word problems are kept inside the question block for easy copying into web pages or PDFs.
- Reviewed for answer-key accuracy, grammar, duplicate ambiguity, and grade-appropriate mathematical clarity.

Maths	Reasoning	Calendar	Word Problems
Time	Fractions	Data	Achievers

SCO International Maths Olympiad 2024-25

Class 3 | Question Paper Set H | Solved Edition

Total Questions 35	Time 1 hour	Class 3	Set H
Sections: General Mathematics (20) Assertion and Reason (5) Everyday Mathematics / Case Study (5) Achievers Section (5)			
Marking: Achievers Section questions carry 2 marks each; all other questions carry 1 mark each. There is one correct answer per question.			

Guidelines for the Candidate

1. Read every question carefully before choosing the answer.
2. Only one option is correct for each question.
3. Calculator use is not allowed.
4. Use rough work space or a separate sheet for calculations where required.
5. For practice use, students should first attempt the paper without seeing the answer and then review the explanation.

GENERAL MATHEMATICS

20 Questions | Time, dates, calendar and basic measurement reasoning

1

General Mathematics

How many months have 28 days?

A. 1	B. 2
C. 12	D. 6

Correct Answer: C. 12

Explanation: All 12 months have at least 28 days. February has exactly 28 days in a common year, but every month contains a 28th day.

2

General Mathematics

If today is Monday, what day will it be 5 days later?

A. Thursday	B. Saturday
C. Tuesday	D. Sunday

Correct Answer: B. Saturday

Explanation: Count forward from Monday: Tuesday (1), Wednesday (2), Thursday (3), Friday (4), Saturday (5).

3

General Mathematics

How many hours are there in 3 days?

A. 48 hours	B. 72 hours
C. 60 hours	D. 24 hours

Correct Answer: B. 72 hours

Explanation: One day has 24 hours. Therefore, 3 days = $3 \times 24 = 72$ hours.

4

General Mathematics

Which month has the least number of days?

A. February	B. April
C. June	D. September

Correct Answer: A. February

Explanation: February has 28 days in a common year and 29 days in a leap year. April, June, and September each have 30 days.

5

General Mathematics

If you subtract 4 hours from 12:00 PM, what time will it be?

A. 8:00 AM	B. 9:00 AM
C. 10:00 AM	D. 11:00 AM

Correct Answer: A. 8:00 AM

Explanation: Counting 4 hours backward from 12:00 PM gives 11:00 AM, 10:00 AM, 9:00 AM, and then 8:00 AM.

6

General Mathematics

If a clock shows 3:30, how many minutes are there until it reaches 4:00?

A. 30 minutes	B. 20 minutes
C. 15 minutes	D. 25 minutes

Correct Answer: A. 30 minutes

Explanation: From 3:30 to 4:00 is half an hour, and half an hour equals 30 minutes.

7

General Mathematics

Which of the following is a leap year?

A. 2019	B. 2020
C. 2021	D. 2022

Correct Answer: B. 2020

Explanation: A leap year has 366 days and February has 29 days. Among the options, 2020 was a leap year.

8

General Mathematics

How many days are there in a week?

A. 5	B. 7
C. 8	D. 6

Correct Answer: B. 7**Explanation:** A week has 7 days: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday.**9**

General Mathematics

If tomorrow is Sunday, what day was it 3 days ago?

A. Friday	B. Saturday
C. Thursday	D. Wednesday

Correct Answer: D. Wednesday**Explanation:** If tomorrow is Sunday, today is Saturday. Three days before Saturday is Wednesday.**10**

General Mathematics

How many hours are in a day?

A. 12 hours	B. 24 hours
C. 60 hours	D. 48 hours

Correct Answer: B. 24 hours**Explanation:** One full day has 24 hours.**11**

General Mathematics

If you have a birthday on 1st January, which day will your birthday fall on in 2023?

A. Monday	B. Sunday
C. Wednesday	D. Saturday

Correct Answer: B. Sunday**Explanation:** 1 January 2023 was a Sunday.**12**

General Mathematics

How many days are there in 4 weeks?

A. 28 days	B. 30 days
C. 32 days	D. 35 days

Correct Answer: A. 28 days**Explanation:** One week has 7 days. Therefore, 4 weeks = $4 \times 7 = 28$ days.

13

General Mathematics

What is the day 10 days after Wednesday?

A. Saturday	B. Thursday
C. Sunday	D. Tuesday

Correct Answer: A. Saturday**Explanation:** Seven days after Wednesday is again Wednesday. Three more days after that is Saturday.

14

General Mathematics

If it is 5:45 PM now, what will be the time after 2 hours and 30 minutes?

A. 7:15 PM	B. 8:15 PM
C. 6:30 PM	D. 7:30 PM

Correct Answer: B. 8:15 PM**Explanation:** 5:45 PM plus 2 hours is 7:45 PM. Add 30 more minutes to get 8:15 PM.

15

General Mathematics

How many seconds are there in 1 minute?

A. 100 seconds	B. 60 seconds
C. 120 seconds	D. 150 seconds

Correct Answer: B. 60 seconds**Explanation:** One minute has 60 seconds.

16

General Mathematics

If a clock shows 9:00, what will the time be 4 hours ahead?

A. 1:00	B. 11:00
C. 12:00	D. 3:00

Correct Answer: A. 1:00**Explanation:** Counting 4 hours forward from 9:00 gives 10:00, 11:00, 12:00, and then 1:00.

17

General Mathematics

How many months are there in a year?

- | | |
|--------------|--------------|
| A. 12 months | B. 13 months |
| C. 14 months | D. 10 months |

Correct Answer: A. 12 months

Explanation: A year has 12 months.

18

General Mathematics

What time will it be 15 minutes before 6:00?

- | | |
|---------|---------|
| A. 5:30 | B. 5:45 |
| C. 5:15 | D. 5:00 |

Correct Answer: B. 5:45

Explanation: Fifteen minutes before 6:00 is 5:45.

19

General Mathematics

If today is the 1st of September, which date will it be 7 days from now?

- | | |
|------------------|------------------|
| A. 5th September | B. 7th September |
| C. 8th September | D. 2nd September |

Correct Answer: C. 8th September

Explanation: Seven days after 1 September is 8 September.

20

General Mathematics

What is the total number of days in February during a leap year?

- | | |
|------------|------------|
| A. 28 days | B. 29 days |
| C. 30 days | D. 31 days |

Correct Answer: B. 29 days

Explanation: In a leap year, February has 29 days.

ASSERTION AND REASON

5 Questions | Concept clarity and mathematical statements

21

Assertion and Reason

Assertion: A square has four equal sides and four right angles.

Reason: A rectangle is a special type of square where opposite sides are equal.

A. Both Assertion and Reason are correct.	B. Assertion is correct, but Reason is incorrect.
C. Assertion is incorrect, but Reason is correct.	D. Both Assertion and Reason are incorrect.

Correct Answer: B. Assertion is correct, but Reason is incorrect.

Explanation: The assertion is true. The reason is incorrect because a square is a special type of rectangle, not the other way around.

22

Assertion and Reason

Assertion: The number 0 is an even number.

Reason: Even numbers are divisible by 2, and 0 can be divided by 2 without leaving a remainder.

A. Both Assertion and Reason are correct.	B. Assertion is correct, but Reason is incorrect.
C. Assertion is incorrect, but Reason is correct.	D. Both Assertion and Reason are incorrect.

Correct Answer: A. Both Assertion and Reason are correct.

Explanation: Both statements are correct. Zero is even because 0 divided by 2 leaves no remainder.

23

Assertion and Reason

Assertion: The perimeter of a triangle is the sum of the lengths of its three sides.

Reason: To find the area of a triangle, we only need to know the lengths of the sides and multiply them together.

A. Both Assertion and Reason are correct.	B. Assertion is correct, but Reason is incorrect.
C. Assertion is incorrect, but Reason is correct.	D. Both Assertion and Reason are incorrect.

Correct Answer: B. Assertion is correct, but Reason is incorrect.

Explanation: The perimeter statement is correct. The reason is incorrect because triangle area is not found by simply multiplying all side lengths together.

24

Assertion and Reason

Assertion: A fraction with a numerator greater than its denominator is called an improper fraction.

Reason: An improper fraction can be written as a whole number or a mixed number.

A. Both Assertion and Reason are correct.	B. Assertion is correct, but Reason is incorrect.
C. Assertion is incorrect, but Reason is correct.	D. Both Assertion and Reason are incorrect.

Correct Answer: A. Both Assertion and Reason are correct.

Explanation: Both statements are correct. For example, $\frac{7}{3}$ is improper and can be written as $2\frac{1}{3}$; $\frac{6}{3}$ can be written as the whole number 2.

25

Assertion and Reason

Assertion: In a bar graph, the length of each bar represents the quantity or frequency of the data.

Reason: A pie chart is used to show how different parts contribute to a whole, but a bar graph cannot be used for this purpose.

A. Both Assertion and Reason are correct.	B. Assertion is correct, but Reason is incorrect.
C. Assertion is incorrect, but Reason is correct.	D. Both Assertion and Reason are incorrect.

Correct Answer: B. Assertion is correct, but Reason is incorrect.

Explanation: The assertion is correct. The reason is not fully correct because bar graphs can also compare parts or categories, while pie charts show parts of a whole.

EVERYDAY MATHEMATICS / CASE STUDY

5 Questions | Word-problem passages placed inside question blocks

26

Everyday Mathematics / Case Study

You have 4 apples, and you give 2 apples to your friend. Then, you buy 3 more apples from the store. How many apples do you have now?

A. 5 apples

B. 6 apples

C. 7 apples

D. 8 apples

Correct Answer: A. 5 apples

Explanation: Start with 4 apples. After giving away 2, 2 apples are left. Buying 3 more gives $2 + 3 = 5$ apples.

27

Everyday Mathematics / Case Study

A baker bakes 3 trays of cookies, with 6 cookies on each tray. If 3 people share the cookies equally, how many cookies will each person get?

A. 6 cookies

B. 4 cookies

C. 5 cookies

D. 3 cookies

Correct Answer: A. 6 cookies

Explanation: There are $3 \times 6 = 18$ cookies. Sharing 18 cookies equally among 3 people gives $18 \div 3 = 6$ cookies each. Editorial correction: the original value "4 people" was changed to "3 people" so the question has one clear whole-number answer.

28

Everyday Mathematics / Case Study

There are 5 red balls, 3 green balls, and 2 blue balls in a box. If you pick one ball without looking, what is the probability of picking a green ball?

A. $1/3$

B. $3/10$

C. $1/2$

D. $3/5$

Correct Answer: B. $3/10$

Explanation: Total balls = $5 + 3 + 2 = 10$. Green balls = 3. Probability of picking a green ball = $3/10$.

29

Everyday Mathematics / Case Study

You have a basket with 6 oranges and 4 apples. You decide to put 3 more apples in the basket. If you give 2 oranges to your friend, how many fruits are left in the basket?

A. 8 fruits

B. 7 fruits

C. 11 fruits

D. 10 fruits

Correct Answer: C. 11 fruits**Explanation:** Initial fruits = $6 + 4 = 10$. Add 3 apples to get 13 fruits. Give away 2 oranges: $13 - 2 = 11$ fruits.

30

Everyday Mathematics / Case Study

You have a bookshelf with 4 rows of books. Each row has 5 books. If you remove 2 books from each row, how many books are left on the shelf?

A. 10 books

B. 15 books

C. 12 books

D. 20 books

Correct Answer: C. 12 books**Explanation:** Total books = $4 \times 5 = 20$. Removing 2 from each of 4 rows removes 8 books. Books left = $20 - 8 = 12$.

ACHIEVERS SECTION

5 Questions | Higher-order multi-step reasoning | 2 marks each

31

Achievers Section

Sarah has 4 red pens, 5 blue pens, and 3 green pens. She gives 2 red pens to her friend and buys 6 more pens of each color. How many pens does Sarah have now?

A. 26 pens	B. 25 pens
C. 24 pens	D. 28 pens

Correct Answer: D. 28 pens

Explanation: Sarah starts with $4 + 5 + 3 = 12$ pens. She gives away 2 pens, so 10 remain. She buys 6 pens of each of 3 colors, or 18 more pens. Total = $10 + 18 = 28$ pens.

32

Achievers Section

A toy store sells boxes with 5 toys in each box. If a customer buys 3 boxes and gets 2 extra toys free with each box, how many toys does the customer have in total?

A. 17 toys	B. 15 toys
C. 21 toys	D. 16 toys

Correct Answer: C. 21 toys

Explanation: Each box gives 5 toys plus 2 free toys = 7 toys. For 3 boxes, total toys = $3 \times 7 = 21$.

33

Achievers Section

There are 5 bags of marbles. Each bag contains 8 marbles, and 2 marbles are added to each bag. How many marbles are there in total now?

A. 44 marbles	B. 46 marbles
C. 50 marbles	D. 48 marbles

Correct Answer: C. 50 marbles

Explanation: Each bag has $8 + 2 = 10$ marbles after adding. With 5 bags, total marbles = $5 \times 10 = 50$.

34

Achievers Section

A teacher has 30 pencils. She gives 4 pencils to each student in a class. If there are 6 students, how many pencils will the teacher have left after distributing them?

A. 6 pencils	B. 2 pencils
C. 5 pencils	D. 4 pencils

Correct Answer: A. 6 pencils

Explanation: The teacher gives out $4 \times 6 = 24$ pencils. Pencils left = $30 - 24 = 6$.

35**Achievers Section**

A farmer has 12 rows of apple trees in his orchard. Each row has 6 trees, and each tree produces 8 apples. How many apples will the farmer have if he harvests all the apples?

A. 576 apples	B. 672 apples
C. 432 apples	D. 768 apples

Correct Answer: A. 576 apples

Explanation: Trees = $12 \times 6 = 72$. Apples = $72 \times 8 = 576$.

Complete Answer Key

Q.No.	Ans.	Q.No.	Ans.	Q.No.	Ans.	Q.No.	Ans.	Q.No.	Ans.
1	C	2	B	3	B	4	A	5	A
6	A	7	B	8	B	9	D	10	B
11	B	12	A	13	A	14	B	15	B
16	A	17	A	18	B	19	C	20	B
21	B	22	A	23	B	24	A	25	B
26	A	27	A	28	B	29	C	30	C
31	D	32	C	33	C	34	A	35	A

Section-wise Answer Summary

Section	Question Range	Questions	Answer Sequence
General Mathematics	1-20	20	1-C 2-B 3-B 4-A 5-A 6-A 7-B 8-B 9-D 10-B 11-B 12-A 13-A 14-B 15-B 16-A 17-A 18-B 19-C 20-B
Assertion and Reason	21-25	5	21-B 22-A 23-B 24-A 25-B
Everyday Mathematics / Case Study	26-30	5	26-A 27-A 28-B 29-C 30-C
Achievers Section	31-35	5	31-D 32-C 33-C 34-A 35-A

Space for Rough Work

End of Solved Paper

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