

**SAMPLE PAPER****SCO INTERNATIONAL**

MATH OLYMPIAD

Editable school-ready sample set

CLASS 1**SET H**

Question Paper + Answer Key + Explanation

Reformatted from the uploaded source paper for website, school, and practice use.

Academic year removed and answer inconsistencies corrected.

35 QUESTIONS**1 HOUR****GRADE 1 LEVEL**

Inside this document

- sample paper instructions and section guide
- clean question blocks with properly placed visuals
- separate answer key section for quick checking
- step-by-step explanations to support learning

How to Use This Sample Paper

Designed for student practice, school enrichment, and website publishing.

<p>Paper Pattern</p> <p>35 multiple-choice questions arranged across four sections: General Math, Reasoning, Case Study, and Achievers.</p>	<p>Suggested Time</p> <p>1 hour. The paper may also be used section by section for school worksheets, website practice, or homework.</p>
<p>How to Attempt</p> <p>Students should read each question carefully, choose one option, and then use the answer key and explanation section to review their work.</p>	<p>Editorial Note</p> <p>This sample edition removes the year from the title and corrects source inconsistencies so it can be reused cleanly.</p>

<p>Section 1</p> <p>Q1–Q20</p> <p>General Math</p>	<p>Section 2</p> <p>Q21–Q25</p> <p>Reasoning</p>	<p>Section 3</p> <p>Q26–Q30</p> <p>Case Study</p>	<p>Section 4</p> <p>Q31–Q35</p> <p>Achievers</p>
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Guidelines for Students

- Write your name, registration ID, and contact details before starting.
- Read each question carefully and choose only one option.
- Use rough work for calculations in time and money questions when needed.
- After solving, compare your work with the answer key and explanations to learn the method.

Section 1 — General Math

Q1–Q20 | numbers, shapes, operations, money, and time

Question 1

If you have 10 candies and eat 3 of them, how many candies are left?

A. 5

B. 7

C. 8

D. 9

Question 2

If you have 24 marbles and you want to share them equally among 3 friends, how many marbles will each friend get?

A. 6 marbles

B. 8 marbles

C. 10 marbles

D. 12 marbles

Question 3

Lisa has 5 dolls, and each doll has 3 dresses. How many dresses does she have in total?

A. 8 dresses

B. 12 dresses

C. 15 dresses

D. 20 dresses

Question 4

Which of the following has the shape of a triangle?

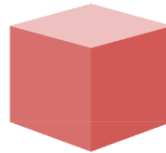
A



B



C



D



A. Option A

B. Option B

C. Option C

D. Option D

Question 5

What is the name of a shape with five sides?

A. Triangle

B. Rectangle

C. Pentagon

D. Hexagon

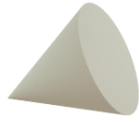
Question 6

Which of the following objects does not have any faces?

A



B



C



D



A. Option A

B. Option B

C. Option C

D. Option D

Question 7

Which of the following shapes is constructed by 3 lines?

A. I

B. II

C. III

D. IV

Question 8

If you have a triangle with 4 sides, is it still a triangle?

A. Yes

B. No

C. May or may not

D. None of these

Question 9

How many corners does a circle have?

A. One

B. Many

C. Two

D. Zero

Question 10

What is the reading displayed on the weighing scale?



A. 70 kg

B. 71 kg

C. 69 kg

D. 72 kg

Question 11

If you have 4 friends and you give each of them 2 stickers, how many stickers did you give away?

A. 2 stickers

B. 4 stickers

C. 6 stickers

D. 8 stickers

Question 12

If every student in a class of 8 brings 2 books, how many books are there in total?

A. 4 books

B. 12 books

C. 16 books

D. 20 books

Question 13

If there are 24 hours in a day, how many hours are there in 3 days?

A. 48 hours

B. 72 hours

C. 96 hours

D. 120 hours

Question 14

In a school competition, there are 6 teams, and each team has 5 members. How many students are participating in total?

A. 10 students

B. 15 students

C. 25 students

D. 30 students

Question 15

What do we call a line that is straight and never ends?

A. A curved line

B. A rainbow

C. A straight line

D. A wavy line

Question 16

What comes after the number 15 in the counting sequence?

A. 14

B. 16

C. 17

D. 13

Question 17

If you have two 5-rupee coins and three 10-rupee coins, what is the total amount of money you have in your hand?



A. 40

B. 35

C. 20

D. 30

Question 18

If it's 9 o'clock now, how many hours until it's 12 o'clock noon?



A. 2 hours

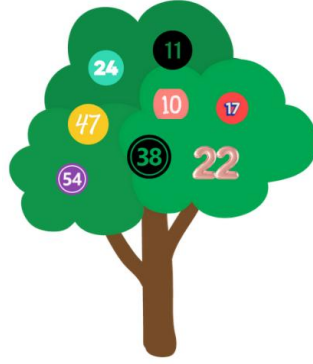
B. 3 hours

C. 4 hours

D. 5 hours

Question 19

Count the number of even numbers present in the tree.



A. 6

B. 7

C. 4

D. 5

Question 20

If a school day starts at 8:30 AM and ends at 3:15 PM, how many hours and minutes is the school day?

A. 6 hours and 45 minutes

B. 7 hours and 45 minutes

C. 8 hours and 30 minutes

D. 9 hours and 45 minutes

Section 2 — Reasoning

Q21–Q25 | logical comparison and picture equations

Question 21

Mary woke up at 6:15 AM and went to bed at 9:45 PM. How many hours and minutes was she awake during the day?

A. 12 hours and 15 minutes

B. 15 hours and 30 minutes

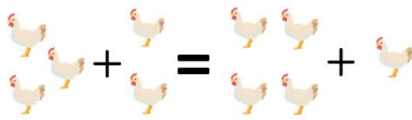
C. 16 hours and 30 minutes

D. 18 hours and 30 minutes

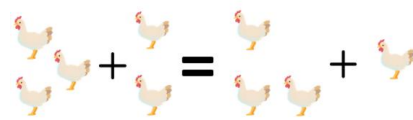
Question 22

Which of the following picture equations is correct?

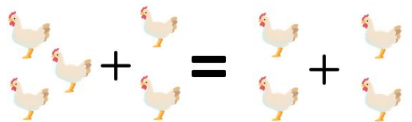
A



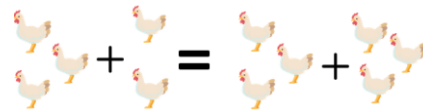
B



C



D



A. Option A

B. Option B

C. Option C

D. Option D

Question 23

Which is heavier, a feather or a brick?

A. Feather

B. Brick

C. They weigh the same

D. It depends on the size of the feather and brick

Question 24

If you have a bag of 5 small apples and a bag of 3 big apples, which bag has more apples in it?



A. Bag of 5 small apples

B. Bag of 3 big apples

C. Both bags have the same number of apples

D. It is impossible to determine with the given information

Question 25

If you have 2 bags of flour, one weighing 2 kilograms and the other weighing 200 grams, which bag is heavier?



A. The bag weighing 2 kilograms

B. The bag weighing 200 grams

C. Both bags weigh the same

D. It is impossible to determine with the given information

Section 3 — Case Study

Q26–Q30 | weights, comparisons, and real-life thinking

Question 26

If a toy car weighs 100 grams and a toy truck weighs 300 grams, how much heavier is the toy truck?

- | | |
|--------------|--------------|
| A. 100 grams | B. 200 grams |
| C. 300 grams | D. 400 grams |

Question 27

If you have a 500-gram chocolate bar and a 300-gram bag of candies, how much more does the chocolate bar weigh?

- | | |
|--------------|--------------|
| A. 100 grams | B. 200 grams |
| C. 300 grams | D. 400 grams |

Question 28

Which is lighter, a dog or a bicycle?

- | | |
|------------------------|---|
| A. A dog | B. A bicycle |
| C. They weigh the same | D. It depends on the specific dog and bicycle |

Question 29

If you have a box of 12 pencils, and each pencil weighs 10 grams, and a box of 8 markers, and each marker weighs 15 grams, which box is heavier, and by how much?

- | | |
|--|--|
| A. The box of markers, heavier by 10 grams | B. The box of pencils, heavier by 40 grams |
| C. The box of markers, heavier by 40 grams | D. Neither box is heavier than the other |

Question 30

A watermelon weighs 5 kilograms, and a pumpkin weighs 2 kilograms. How much heavier is the watermelon than the pumpkin?



- | | |
|----------------|----------------|
| A. 1 kilogram | B. 2 kilograms |
| C. 3 kilograms | D. 4 kilograms |

Section 4 — Achievers

Q31–Q35 | higher-level application and careful reasoning

Question 31

There are 96 apples in a basket. If 63 apples are taken out, how many apples are left in the basket?

- | | |
|--------------|--------------|
| A. 33 apples | B. 43 apples |
| C. 53 apples | D. 73 apples |

Question 32

If you have a book with 128 pages, and you have already read 73 pages, how many more pages do you need to read to finish the book?

- | | |
|-------------|--------------|
| A. 45 pages | B. 55 pages |
| C. 73 pages | D. 100 pages |

Question 33

If you have 3 one-dollar bills, how much money do you have in total?

- | | |
|---------|----------|
| A. \$3 | B. \$13 |
| C. \$30 | D. \$300 |





Question 34

Which of the following shapes has four equal sides but angles that are not right angles?

- | | |
|------------|--------------|
| A. Square | B. Rectangle |
| C. Rhombus | D. Pentagon |

Question 35

Which of the following objects is shaped like a line?

A 	B 	C 	D 
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- | | |
|-------------|-------------|
| A. Option A | B. Option B |
| C. Option C | D. Option D |

Answer Key

Quick-check table for teachers, schools, and students

Q1–Q7	Q8–Q14	Q15–Q21	Q22–Q28	Q29–Q35
1. B	8. B	15. C	22. A	29. D
2. B	9. D	16. B	23. B	30. C
3. C	10. B	17. A	24. A	31. A
4. A	11. D	18. B	25. A	32. B
5. C	12. C	19. D	26. B	33. A
6. C	13. B	20. A	27. B	34. C
7. D	14. D	21. B	28. D	35. C

Editorial fixes applied: Q20 timing option corrected to 6 hours and 45 minutes; Q33 answer key corrected to option A.

Explanations — General Math

Written for learning and review, not only answer checking

Question 1 | Correct Answer: B

Question: If you have 10 candies and eat 3 of them, how many candies are left?

Explanation: Start with 10 candies and take away 3. Count backward: 10, 9, 8, 7. So 7 candies are left. This is subtraction: $10 - 3 = 7$. Children can also draw 10 circles and cross out 3 circles to see the answer.

Question 2 | Correct Answer: B

Question: If you have 24 marbles and you want to share them equally among 3 friends, how many marbles will each friend get?

Explanation: Equal sharing means division. Put 24 marbles into 3 equal groups. Since $8 + 8 + 8 = 24$, each friend gets 8 marbles. You can check by multiplying: $3 \times 8 = 24$.

Question 3 | Correct Answer: C

Question: Lisa has 5 dolls, and each doll has 3 dresses. How many dresses does she have in total?

Explanation: There are 5 groups of 3 dresses. Add 3 five times: $3 + 3 + 3 + 3 + 3 = 15$. This is also $5 \times 3 = 15$. Repeated addition is a good bridge to multiplication.

Question 4 | Correct Answer: A

Question: Which of the following has the shape of a triangle?

Explanation: A triangle has 3 straight sides and 3 corners. In the pictures, Option A shows the triangular object. Comparing side counts is the easiest way to identify shapes.

Question 5 | Correct Answer: C

Question: What is the name of a shape with five sides?

Explanation: A shape with 5 sides is called a pentagon. A triangle has 3 sides, a rectangle has 4 sides, and a hexagon has 6 sides. Counting sides carefully helps students name shapes correctly.

Question 6 | Correct Answer: C

Question: Which of the following objects does not have any faces?

Explanation: A sphere has no flat faces. In the options, the ball-shaped object has a curved surface all around and no flat face, edge, or corner. Shapes like cubes and cuboids have flat faces.

Question 7 | Correct Answer: D

Question: Which of the following shapes is constructed by 3 lines?

Explanation: A shape made using exactly 3 straight lines is a triangle. So the option showing the triangle is correct. When solving, count the line segments one by one.

Question 8 | Correct Answer: B

Question: If you have a triangle with 4 sides, is it still a triangle?

Explanation: No. A triangle must always have exactly 3 sides. If a shape has 4 sides, it is not a triangle. Shape names depend on the number of sides.

Question 9 | Correct Answer: D

Question: How many corners does a circle have?

Explanation: A circle has 0 corners because it is a smooth curved shape. Corners happen when straight sides meet. Since a circle has no straight sides, it has no corners.

Question 10 | Correct Answer: B

Question: What is the reading displayed on the weighing scale?

Explanation: The scale needle points to 71 kg. When reading a weighing scale, look at the exact number where the pointer ends, not just the nearest big mark.

Question 11 | Correct Answer: D

Question: If you have 4 friends and you give each of them 2 stickers, how many stickers did you give away?

Explanation: Each of the 4 friends gets 2 stickers. So add $2 + 2 + 2 + 2 = 8$. This is also $4 \times 2 = 8$. Equal groups help students understand multiplication.

Question 12 | Correct Answer: C

Question: If every student in a class of 8 brings 2 books, how many books are there in total?

Explanation: There are 8 groups of 2 books. So $2 \times 8 = 16$, or $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$. This question connects multiplication to repeated addition.

Question 13 | Correct Answer: B

Question: If there are 24 hours in a day, how many hours are there in 3 days?

Explanation: One day has 24 hours. For 3 days, multiply $24 \times 3 = 72$. You can also add $24 + 24 + 24 = 72$. This is a real-life example of multiplication.

Question 14 | Correct Answer: D

Question: In a school competition, there are 6 teams, and each team has 5 members. How many students are participating in total?

Explanation: There are 6 groups with 5 students in each group, so $6 \times 5 = 30$. Another way is $5 + 5 + 5 + 5 + 5 + 5 = 30$. Grouping is a very useful counting method.

Question 15 | Correct Answer: C

Question: What do we call a line that is straight and never ends?

Explanation: A straight line goes in one direction without bending. In geometry, a line extends endlessly. Curved and wavy lines change direction, so they are not straight lines.

Question 16 | Correct Answer: B

Question: What comes after the number 15 in the counting sequence?

Explanation: The number after 15 is 16. Practising number order helps children build confidence in counting. Say the sequence aloud: 13, 14, 15, 16.

Question 17 | Correct Answer: A

Question: If you have two 5-rupee coins and three 10-rupee coins, what is the total amount of money you have in your hand?

Explanation: Two 5-rupee coins make 10 rupees. Three 10-rupee coins make 30 rupees. Then $10 + 30 = 40$ rupees in total. Money questions become easier when you group like coins first.

Question 18 | Correct Answer: B

Question: If it's 9 o'clock now, how many hours until it's 12 o'clock noon?

Explanation: Count forward from 9 to 12: 10 is 1 hour later, 11 is 2 hours later, and 12 is 3 hours later. So the gap is 3 hours. Counting hour by hour is a simple strategy.

Question 19 | Correct Answer: D

Question: Count the number of even numbers present in the tree.

Explanation: Even numbers end in 0, 2, 4, 6, or 8. In the tree there are 5 even numbers. A good method is to circle all numbers ending in an even digit, then count the circles.

Question 20 | Correct Answer: A

Question: If a school day starts at 8:30 AM and ends at 3:15 PM, how many hours and minutes is the school day?

Explanation: From 8:30 AM to 12:30 PM is 4 hours. From 12:30 PM to 3:15 PM is 2 hours 45 minutes. So the total time is 6 hours 45 minutes. Breaking a long interval into smaller parts makes time questions easier.

Explanations — Reasoning

Written for learning and review, not only answer checking

Question 21 | Correct Answer: B

Question: Mary woke up at 6:15 AM and went to bed at 9:45 PM. How many hours and minutes was she awake during the day?

Explanation: From 6:15 AM to 6:15 PM is 12 hours. From 6:15 PM to 9:45 PM is 3 hours 30 minutes. Add them to get 15 hours 30 minutes. Splitting a long time span into easy parts is very helpful.

Question 22 | Correct Answer: A

Question: Which of the following picture equations is correct?

Explanation: Option A is correct because both sides show the same total. A correct equation must balance: the left side and the right side must represent equal amounts. Children should count both sides carefully before choosing.

Question 23 | Correct Answer: B

Question: Which is heavier, a feather or a brick?

Explanation: A brick is much heavier than a feather. This question checks understanding of everyday weight comparisons. Familiar real-world objects help students reason about heavy and light.

Question 24 | Correct Answer: A

Question: If you have a bag of 5 small apples and a bag of 3 big apples, which bag has more apples in it?

Explanation: The question asks about the number of apples, not the size of the apples. One bag has 5 apples and the other has 3 apples. Since 5 is greater than 3, the bag with 5 small apples has more apples.

Question 25 | Correct Answer: A

Question: If you have 2 bags of flour, one weighing 2 kilograms and the other weighing 200 grams, which bag is heavier?

Explanation: 2 kilograms is heavier than 200 grams. Remember that 1 kilogram = 1000 grams, so 2 kilograms = 2000 grams. Since 2000 grams is greater than 200 grams, the 2-kilogram bag is heavier.

Explanations — Case Study

Written for learning and review, not only answer checking

Question 26 | Correct Answer: B

Question: If a toy car weighs 100 grams and a toy truck weighs 300 grams, how much heavier is the toy truck?

Explanation: To find how much heavier the truck is, subtract the smaller weight from the larger weight: $300 \text{ g} - 100 \text{ g} = 200 \text{ g}$. Difference questions often use words like 'how much heavier' or 'how much more'.

Question 27 | Correct Answer: B

Question: If you have a 500-gram chocolate bar and a 300-gram bag of candies, how much more does the chocolate bar weigh?

Explanation: Subtract the lighter weight from the heavier weight: $500 \text{ g} - 300 \text{ g} = 200 \text{ g}$. So the chocolate bar weighs 200 grams more. 'How much more' means find the difference.

Question 28 | Correct Answer: D

Question: Which is lighter, a dog or a bicycle?

Explanation: This depends on the kind of dog and the kind of bicycle. A small dog may be lighter than a bicycle, while a very large dog may be heavier than a child's bicycle. Some real-life comparison questions depend on more information.

Question 29 | Correct Answer: D

Question: If you have a box of 12 pencils, and each pencil weighs 10 grams, and a box of 8 markers, and each marker weighs 15 grams, which box is heavier, and by how much?

Explanation: Find each box weight first. Pencils: $12 \times 10 \text{ g} = 120 \text{ g}$. Markers: $8 \times 15 \text{ g} = 120 \text{ g}$. Since both totals are the same, neither box is heavier. Solving multi-step problems becomes easier when you do one part at a time.

Question 30 | Correct Answer: C

Question: A watermelon weighs 5 kilograms, and a pumpkin weighs 2 kilograms. How much heavier is the watermelon than the pumpkin?

Explanation: Subtract the pumpkin's weight from the watermelon's weight: $5 \text{ kg} - 2 \text{ kg} = 3 \text{ kg}$. So the watermelon is 3 kilograms heavier. 'How much heavier' asks for the difference.

Explanations — Achievers

Written for learning and review, not only answer checking

Question 31 | Correct Answer: A

Question: There are 96 apples in a basket. If 63 apples are taken out, how many apples are left in the basket?

Explanation: Take away the apples removed from the total: $96 - 63 = 33$. One way is to subtract tens and ones separately: $90 - 60 = 30$ and $6 - 3 = 3$, then $30 + 3 = 33$.

Question 32 | Correct Answer: B

Question: If you have a book with 128 pages, and you have already read 73 pages, how many more pages do you need to read to finish the book?

Explanation: Subtract the pages already read from the total pages: $128 - 73 = 55$. A good check is $73 + 55 = 128$. Checking your answer helps build accuracy.

Question 33 | Correct Answer: A

Question: If you have 3 one-dollar bills, how much money do you have in total?

Explanation: Each bill is worth 1 dollar, so 3 one-dollar bills make 3 dollars. Do not confuse the number of bills with place value. Three 1-dollar bills do not make 13, 30, or 300.

Question 34 | Correct Answer: C

Question: Which of the following shapes has four equal sides but angles that are not right angles?

Explanation: A rhombus has 4 equal sides, but its angles do not have to be 90° . A square also has 4 equal sides, but all its angles are right angles. This question teaches students to look at both side length and angle type.

Question 35 | Correct Answer: C

Question: Which of the following objects is shaped like a line?

Explanation: A ruler is long and straight, so it is the best object here to represent a line. The other options are broader shapes such as a ball, square, or cookie. Everyday objects can help students understand geometry.