

# SCO INTERNATIONAL MATHS OLYMPIAD

## CLASS 3 SOLVED QUESTION PAPER

Set H | 35 Questions | 1 Hour | Answer Key & Explanations

**Carefully reviewed and polished for student practice, teacher reference, and website-ready publishing.**

- Class 3 / primary-level mathematics with age-fit reasoning and visual problem solving
- Covers number sense, money, measurement, geometry, patterns, data interpretation, and word problems
- Includes corrected answer key, clear explanations, and properly formatted visual question blocks

<b>Numbers</b>	<b>Geometry</b>	<b>Measure</b>	<b>Money</b>	<b>Patterns</b>
<b>Visuals</b>	<b>Word Problems</b>	<b>Answer Key</b>	<b>Explanations</b>	<b>Set H</b>

## Candidate Guidelines

Read the instructions carefully before attempting the paper.

**Total Questions: 35 | Time: 1 hour | Calculator: Not allowed**

Sections: General Math (20), Reasoning and Application (5), Case Study and Visual Data (5), Achievers Section (5).

Marking: Achievers Section questions carry 2 marks each; all other questions carry 1 mark each. There is no negative marking.

### Candidate Information

<b>Name</b>	.....
<b>Registration ID</b>	.....
<b>Contact No.</b>	.....

### Important Instructions

- Use only an HB pencil or a blue/black ballpoint pen to mark the OMR sheet if this paper is used in printed mode.
- There is only one correct answer for each question. Select one option only.
- Attempt every question calmly. Read visual questions and word problems twice before selecting the answer.
- After completing the paper, compare your responses with the answer key and read the explanations for learning improvement.

## General Math

1

### GENERAL MATH

What is the missing number in the sequence?



A) 30

B) 28

C) 32

D) 34

**Answer: A) 30**

**Explanation:** The numbers increase by 6 each time: 18, 24, 30, 36, 42.

2

### GENERAL MATH

How many months are in a year?

A) 14

B) 12

C) 10

D) 15

**Answer: B) 12**

**Explanation:** There are 12 months in one calendar year.

3

### GENERAL MATH

If you have 4 one-dollar bills, how much money do you have?



A) \$3

B) \$2

C) \$4

D) \$1

**Answer: C) \$4**

**Explanation:** Each one-dollar bill is worth \$1, so 4 bills are worth \$4.

4

GENERAL MATH

Which weighs more, a feather or a book?



- |            |                  |
|------------|------------------|
| A) Feather | B) Book          |
| C) Equal   | D) None of these |

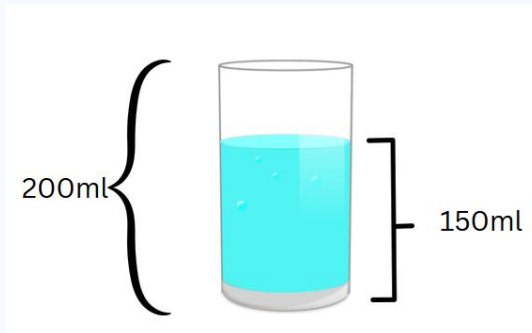
**Answer: B) Book**

**Explanation:** A book normally has much more mass than a feather, so it weighs more.

5

GENERAL MATH

A glass can hold 200 ml of water. If 150 ml is already poured in, how much space is left in the glass?



- |           |           |
|-----------|-----------|
| A) 100 ml | B) 250 ml |
| C) 50 ml  | D) 200 ml |

**Answer: C) 50 ml**

**Explanation:** Remaining capacity = 200 ml - 150 ml = 50 ml.

6

GENERAL MATH

How many sides does a rectangle have?

- |      |      |
|------|------|
| A) 4 | B) 5 |
| C) 2 | D) 6 |

**Answer: A) 4**

**Explanation:** A rectangle is a four-sided shape with opposite sides equal.

7

GENERAL MATH

You want to buy a toy that costs \$12. You have \$5. How much more money do you need?



- |         |        |
|---------|--------|
| A) \$12 | B) \$5 |
| C) \$8  | D) \$7 |

**Answer: D) \$7**

**Explanation:** Needed money = \$12 - \$5 = \$7.

8

GENERAL MATH

A bookshelf is 2 feet wide. A book is 8 inches wide. Will the book fit on the shelf?

- |                |                  |
|----------------|------------------|
| A) Yes         | B) No            |
| C) Tightly fit | D) None of these |

**Answer: A) Yes**

**Explanation:** 2 feet = 24 inches. Since 8 inches is less than 24 inches, the book will fit.

9

GENERAL MATH

How many sides does an octagon have?

A) 7	B) 6
C) 8	D) 10

**Answer: C) 8**

**Explanation:** An octagon is a polygon with 8 sides.

10

GENERAL MATH

If you have 4 boxes and each box contains 6 chocolates, how many chocolates do you have in total?



A) 24	B) 30
C) 20	D) 22

**Answer: A) 24**

**Explanation:** Total chocolates =  $4 \times 6 = 24$ .

11

GENERAL MATH

If John's father is your father's brother, what is John to you?

A) Uncle	B) Cousin
C) Brother	D) Son

**Answer: B) Cousin**

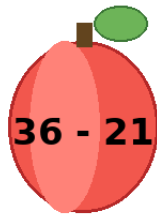
**Explanation:** Your father's brother is your uncle. His child is your cousin.

12

GENERAL MATH

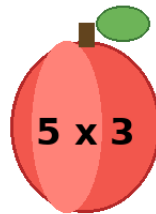
Select the odd one out.

Select the odd one out: three expressions have the same value.



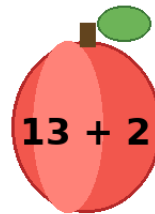
A)

= 15



B)

= 15



C)

= 15



D)

= 16

A) 36 - 21

B) 5 x 3

C) 13 + 2

D) 30 - 14

**Answer: D) 30 - 14**

**Explanation:** A, B and C all equal 15. D equals 16, so D is the odd one out.

13

GENERAL MATH

Count the number of cubes in the given figure.



A) 3

B) 4

C) 5

D) 6

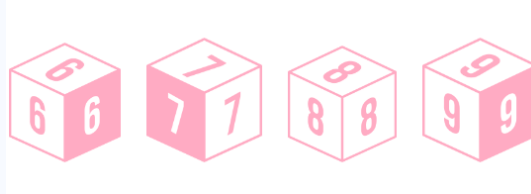
**Answer: A) 3**

**Explanation:** The figure shows three visible cubes: one top cube and two bottom cubes.

14

GENERAL MATH

What is the greatest 4-digit number that can be created by using each of the following digits exactly once?



- A) 9876
- C) 9879

- B) 9999
- D) 9889

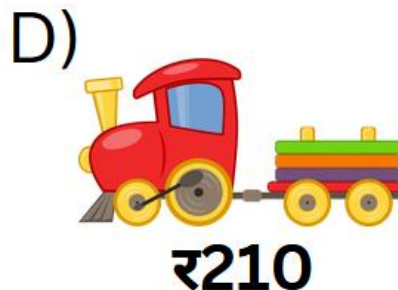
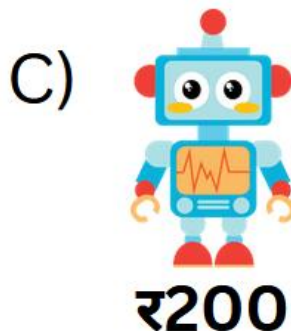
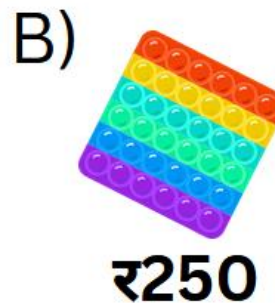
**Answer: A) 9876**

**Explanation:** Using the digits 6, 7, 8 and 9 once, arrange them from greatest to smallest: 9876.

15

GENERAL MATH

With two ₹100 notes, which of the following toys are you able to purchase?



- A) Doll - ₹220
- C) Robot - ₹200

- B) Puzzle mat - ₹250
- D) Train - ₹210

**Answer: C) Robot - ₹200**

**Explanation:** Two ₹100 notes make ₹200. Only the robot costs exactly ₹200.

16

GENERAL MATH

Which one of the following is greater?

A) 180 centiliters	B) 2 liters
C) 225 milliliters	D) 250 milliliters

**Answer: B) 2 liters**

**Explanation:** 180 centiliters = 1.8 liters, while 2 liters is greater than 1.8 liters and the milliliter values.

17

GENERAL MATH

What are the two numbers if their sum is 8 and their difference is 4?

A) 2, 6	B) 5, 1
C) 7, 1	D) 9, 4

**Answer: A) 2, 6**

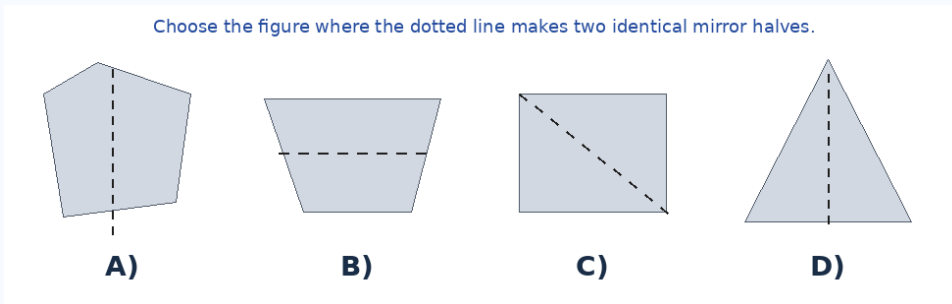
**Explanation:**  $2 + 6 = 8$  and  $6 - 2 = 4$ .

18

GENERAL MATH

Identify the image where a dotted line splits it into two identical mirror halves.

Choose the figure where the dotted line makes two identical mirror halves.



A) Figure A	B) Figure B
C) Figure C	D) Figure D

**Answer: D) Figure D**

**Explanation:** In Figure D, the dotted line runs through the centre of the triangle and creates two mirror halves.

19

## GENERAL MATH

What is Dhoni's score if he scored 4 more than one and a half centuries?

A) 152

B) 104

C) 154

D) 114

**Answer: C) 154****Explanation:** One and a half centuries = 150. Adding 4 gives 154.

20

## GENERAL MATH

Bunny starts at 210 and makes 3 backward jumps of 10 each. Which number will Bunny land on?

A) 200

B) 210

C) 220

D) 180

**Answer: D) 180****Explanation:** Three backward jumps of 10 make 30 steps backward.  $210 - 30 = 180$ .

## Reasoning and Application

21

## REASONING AND APPLICATION

Take 45 away from 76. What do we get?

A) 31

B) 121

C) 30

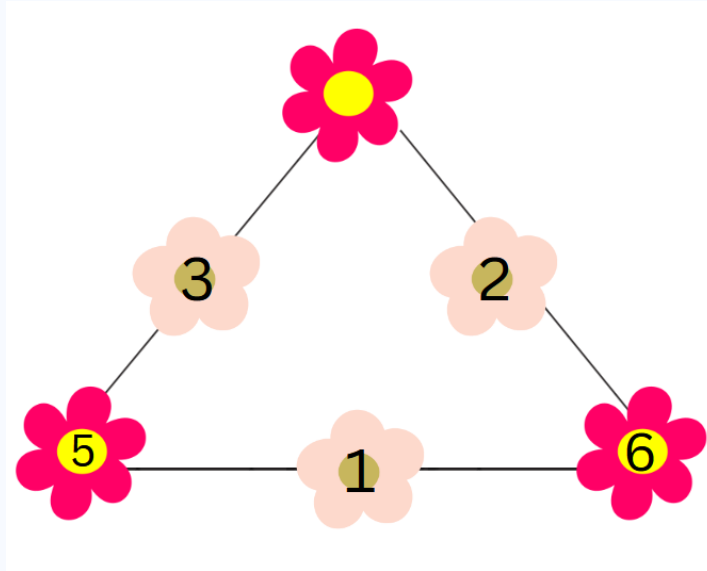
D) 120

**Answer: A) 31****Explanation:**  $76 - 45 = 31$ .

22

REASONING AND APPLICATION

Choose the correct option to fill the empty flower.



A) 3

B) 4

C) 5

D) 2

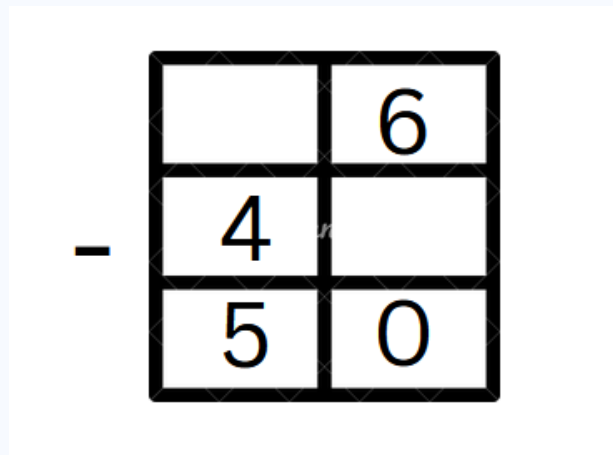
**Answer: B) 4**

**Explanation:** The numbers shown are 1, 2, 3, 5 and 6. The missing number in the pattern is 4.

23

REASONING AND APPLICATION

Fill in the missing numbers in the boxes.



A) 9, 6

B) 8, 5

C) 8, 6

D) 7, 6

**Answer: A) 9, 6**

**Explanation:** The completed subtraction is  $96 - 46 = 50$ , so the missing numbers are 9 and 6.

24

REASONING AND APPLICATION

Alice's mother is twice as old as Alice. She is also 20 years older than Alice. What is Alice's age?

- |       |       |
|-------|-------|
| A) 21 | B) 10 |
| C) 20 | D) 11 |

**Answer: C) 20**

**Explanation:** Let Alice's age be  $x$ . Then her mother's age is  $2x$  and also  $x + 20$ . So  $2x = x + 20$ , hence  $x = 20$ .

25

REASONING AND APPLICATION

21/8/2006 shows that Anu was born on 21 \_\_\_\_\_ in the year 2006.

- |           |              |
|-----------|--------------|
| A) August | B) September |
| C) July   | D) October   |

**Answer: A) August**

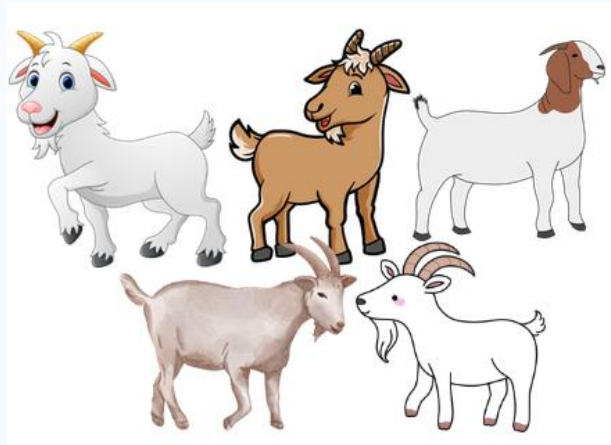
**Explanation:** In the date 21/8/2006, the month number 8 stands for August.

## Case Study and Visual Data

26

CASE STUDY AND VISUAL DATA

There are 5 goats. How many legs are there altogether?



- |       |       |
|-------|-------|
| A) 25 | B) 20 |
| C) 15 | D) 30 |

**Answer: B) 20**

**Explanation:** Each goat has 4 legs. 5 goats have  $5 \times 4 = 20$  legs.

27

CASE STUDY AND VISUAL DATA

How many fruits were distributed in total during the picnic if each of the 20 students received 3 fruits?



- |       |       |
|-------|-------|
| A) 60 | B) 50 |
| C) 23 | D) 30 |

**Answer: A) 60**

**Explanation:** Total fruits =  $20 \times 3 = 60$ .

28

CASE STUDY AND VISUAL DATA

Complete the pattern.



- |       |       |
|-------|-------|
| A) 17 | B) 12 |
| C) 18 | D) 19 |

**Answer: C) 18**

**Explanation:** The differences are +1, +3 and +5. The next difference is +7, so  $11 + 7 = 18$ .

29

CASE STUDY AND VISUAL DATA

Rahul buys a railway ticket for ₹52.50 and pays with a ₹100 note. How much change will he receive?



- |           |           |
|-----------|-----------|
| A) ₹50.50 | B) ₹48.50 |
| C) ₹45    | D) ₹47.50 |

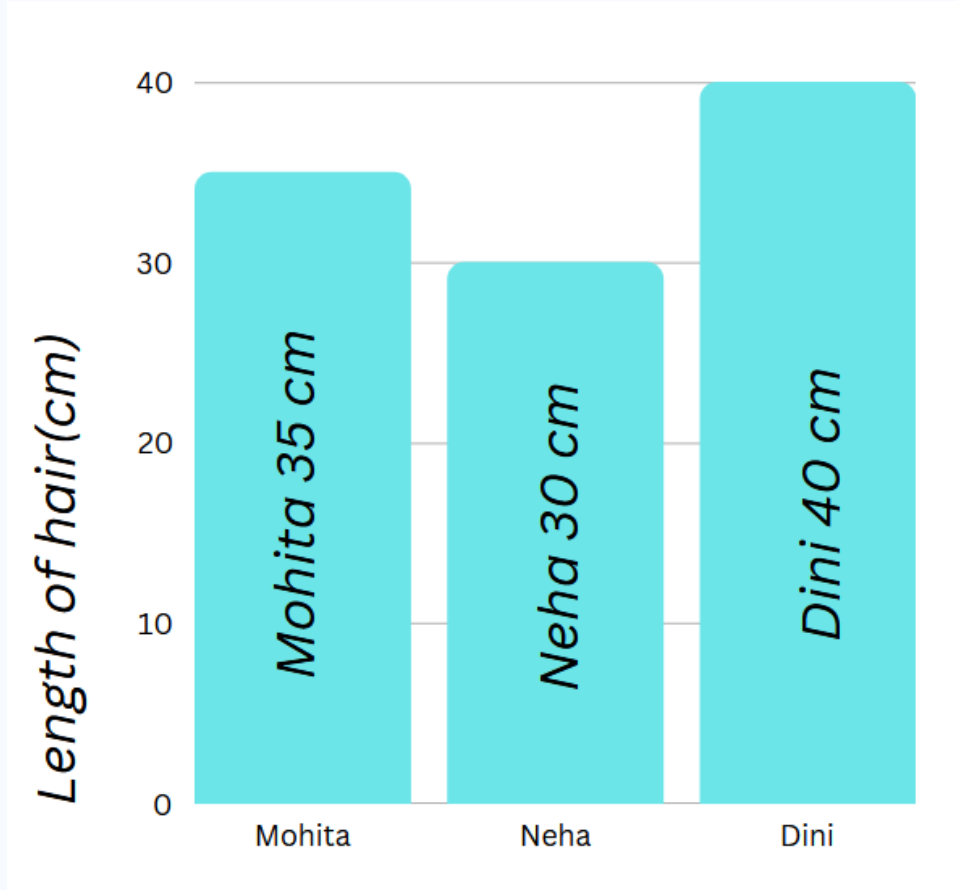
**Answer: D) ₹47.50**

**Explanation:** Change = ₹100 - ₹52.50 = ₹47.50.

30

CASE STUDY AND VISUAL DATA

Mohita, Neha and Dini measured their hair. Based on the chart, who has the shortest hair?



- |           |                     |
|-----------|---------------------|
| A) Mohita | B) Neha             |
| C) Dini   | D) All of the above |

**Answer: B) Neha**

**Explanation:** The chart shows Mohita = 35 cm, Neha = 30 cm and Dini = 40 cm. Neha has the shortest hair.

## Achievers Section

31

ACHIEVERS SECTION

Add the predecessor and successor of 7.

- |       |       |
|-------|-------|
| A) 16 | B) 20 |
| C) 14 | D) 12 |

**Answer: C) 14**

**Explanation:** The predecessor of 7 is 6 and the successor of 7 is 8.  $6 + 8 = 14$ .

**32**
**ACHIEVERS SECTION**

How many 3's are there in 21?

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

**Answer: B) 7**

**Explanation:** 21 divided by 3 equals 7, so there are seven 3s in 21.

**33**
**ACHIEVERS SECTION**

If a month ends on Monday, on what day does the next month begin?

A) Tuesday	B) Sunday
C) Wednesday	D) Saturday

**Answer: A) Tuesday**

**Explanation:** The day after Monday is Tuesday, so the next month begins on Tuesday.

**34**
**ACHIEVERS SECTION**

I am an odd two-digit number. I have 8 in the tens place. I am greater than 85. What number am I?

A) 86	B) 89
C) 100	D) 101

**Answer: B) 89**

**Explanation:** The number must be a two-digit odd number in the 80s and greater than 85. Among the options, 89 fits.

**35**
**ACHIEVERS SECTION**

Fill in the blank:  $320 - 50 = 250 + \underline{\quad}$

A) 20	B) 80
C) 60	D) 50

**Answer: A) 20**

**Explanation:**  $320 - 50 = 270$ . To make  $250 + \underline{\quad}$  equal 270, the blank is 20.

## Quick Answer Key

Use this table for fast checking after completing the paper.

1	2	3	4	5	6	7	8	9	10
A	B	C	B	C	A	D	A	C	A
11	12	13	14	15	16	17	18	19	20
B	D	A	A	C	B	A	D	C	D
21	22	23	24	25	26	27	28	29	30
A	B	A	C	A	B	A	C	D	B
31	32	33	34	35					
C	B	A	B	A					

## Publisher Quality Check Notes

- Duplicate or unclear options were corrected where required so each question has one clear answer.
- Q13 answer was corrected to match the visible cube figure.
- Q20 wording was clarified so the selected answer matches the intended backward-jump pattern.
- Grammar, spacing, currency symbol formatting, option consistency, and explanation clarity were improved across the paper.