

FREE PRACTICE PACK · EDITION 1

Class 2 Mathematics Olympiad practice

16 original questions + explained answers

For students preparing for SOF IMO.

Inside this pack

Eight topic-practice questions and an eight-question, 15-minute mini-mock.

Topics selected for practice

- Patterns and reasoning
- Three-digit numbers
- Operations
- Measures and data

How to use it

Try the practice first. Complete the mini-mock in one sitting. Check the explanations, mark mistakes, and retry them the next day. A parent or teacher may read the instructions aloud.

This pack covers selected topics. It is original BodhiScore material, independent of SOF, and is not an official paper or a full-length exam. Check the official syllabus for the complete scope.

Topic practice

Work through these eight questions without a timer. Explain your choice before checking the solutions.

1. Three-digit numbers

What is 100 more than 347?

- | | |
|---------------|---------------|
| A. 457 | B. 347 |
| C. 357 | D. 447 |
-

2. Operations

A basket has 26 oranges. 9 are used. How many remain?

- | | |
|--------------|--------------|
| A. 18 | B. 35 |
| C. 15 | D. 17 |
-

3. Patterns and reasoning

Complete the pattern: 5, 10, 15, ____.

- | | |
|--------------|--------------|
| A. 19 | B. 20 |
| C. 25 | D. 18 |
-

Topic practice (continued)

4. Measures and data

A ribbon is 45 cm long. A 17 cm piece is cut off. How much remains?

- | | |
|-----------------|-----------------|
| A. 62 cm | B. 28 cm |
| C. 32 cm | D. 38 cm |
-

5. Three-digit numbers

Which number has 6 hundreds, 2 tens and 8 ones?

- | | |
|---------------|---------------|
| A. 268 | B. 826 |
| C. 628 | D. 682 |
-

6. Operations

There are 5 bags with 4 marbles in each. How many marbles?

- | | |
|--------------|--------------|
| A. 25 | B. 54 |
| C. 9 | D. 20 |
-

Topic practice (continued)

7. Patterns and reasoning

A shape sequence goes circle, square, triangle, circle, square, _____. What is next?

A. Triangle

B. Rectangle

C. Circle

D. Square

8. Measures and data

A movie starts at 3 o'clock and lasts 2 hours. When does it finish?

A. 1 o'clock

B. 4 o'clock

C. 5 o'clock

D. 6 o'clock

Timed mini-mock

Set a 15-minute timer for these eight questions. Score 1 point per correct answer; there is no penalty for an incorrect answer. This is BodhiScore's practice scoring.

9. Measures and data

A notebook costs 28 rupees and a ruler costs 16 rupees. What is the total cost?

- | | |
|---------------------|---------------------|
| A. 42 rupees | B. 44 rupees |
| C. 48 rupees | D. 34 rupees |
-

10. Three-digit numbers

Round 267 to the nearest ten.

- | | |
|---------------|---------------|
| A. 260 | B. 265 |
| C. 270 | D. 300 |
-

11. Patterns and reasoning

A pattern adds 3 each time: 11, 14, 17, ___. What follows?

- | | |
|--------------|--------------|
| A. 20 | B. 21 |
| C. 18 | D. 19 |
-

Timed mini-mock (continued)

12. Measures and data

A 1-metre stick is how many centimetres long?

- | | |
|--------------------|------------------|
| A. 1,000 cm | B. 10 cm |
| C. 50 cm | D. 100 cm |
-

13. Operations

Lena has 36 stickers and shares them equally among 4 friends.
How many each?

- | | |
|--------------|--------------|
| A. 9 | B. 10 |
| C. 32 | D. 8 |
-

14. Three-digit numbers

Which number is closest to 500?

- | | |
|---------------|---------------|
| A. 481 | B. 523 |
| C. 578 | D. 429 |
-

Timed mini-mock (continued)

15. Measures and data

A chart records 8 votes for red, 5 for green and 7 for blue. How many votes altogether?

- | | |
|--------------|--------------|
| A. 18 | B. 20 |
| C. 25 | D. 13 |
-

16. Patterns and reasoning

A box has 3 red, 3 blue and 2 yellow cubes. Without looking, what is the fewest cubes to take to guarantee a matching-colour pair?

- | | |
|-------------|-------------|
| A. 2 | B. 3 |
| C. 4 | D. 8 |
-

Answers and explanations

Check why the answer works, then retry any question you missed.

1. D - 447

Adding 100 increases the hundreds digit: $347 + 100 = 447$.

2. D - 17

$26 - 9 = 17$ oranges.

3. B - 20

Each number increases by 5, so the next is 20.

4. B - 28 cm

$45 - 17 = 28$ cm.

5. C - 628

Six hundreds, two tens and eight ones form 628.

6. D - 20

Five groups of four give $5 \times 4 = 20$ marbles.

7. A - Triangle

The three shapes repeat in the same order.

8. C - 5 o'clock

Two hours after 3 o'clock is 5 o'clock.

Answers and explanations (continued)

9. B - 44 rupees

$28 + 16 = 44$ rupees.

10. C - 270

The ones digit is 7, so round the tens up to 270.

11. A - 20

$17 + 3 = 20$.

12. D - 100 cm

One metre equals 100 centimetres.

13. A - 9

36 divided by 4 is 9 stickers per friend.

14. A - 481

481 is 19 from 500; 523 is 23 away, and the others are farther.

15. B - 20

$8 + 5 + 7 = 20$ votes.

16. C - 4

In the worst case the first three cubes have different colours; the fourth must match one of them.

Topic scope checked against SOF syllabus: [SOF IMO Class 2 syllabus](#)