

FREE PRACTICE PACK · EDITION 1

Class 3 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

- Number patterns
- Operations and fractions
- Measurement and geometry
- Time, money 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.

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. Operations and fractions

A library has 248 storybooks and 176 science books. How many books are there?

A. 424

B. 434

C. 4240

D. 414

2. Number patterns

Find the next number: 4, 9, 14, 19, ____.

A. 22

B. 23

C. 24

D. 25

3. Operations and fractions

A tray holds 6 rows of 7 muffins. How many muffins?

A. 49

B. 13

C. 36

D. 42

Topic practice (continued)

4. Measurement and geometry

A square garden has side length 8 m. What is its perimeter?

- | | |
|----------------|----------------|
| A. 64 m | B. 16 m |
| C. 24 m | D. 32 m |
-

5. Time, money and data

A bus leaves at 10:15 and arrives at 10:55. How long was the trip?

- | | |
|------------------|------------------|
| A. 35 min | B. 40 min |
| C. 50 min | D. 30 min |
-

6. Operations and fractions

A cake is cut into 8 equal pieces. 3 are eaten. What fraction remains?

- | | |
|-------------------------|-------------------------|
| A. $\frac{3}{8}$ | B. $\frac{5}{8}$ |
| C. $\frac{5}{3}$ | D. $\frac{8}{5}$ |
-

Topic practice (continued)

7. Measurement and geometry

A rectangle is 9 cm long and 4 cm wide. What is its area?

- | | |
|-----------------------------|-----------------------------|
| A. 26 cm^2 | B. 36 cm^2 |
| C. 72 cm^2 | D. 13 cm^2 |
-

8. Time, money and data

Kai buys a 37-rupee notebook and a 25-rupee pen. He pays 100 rupees. What change is due?

- | | |
|---------------------|---------------------|
| A. 52 rupees | B. 62 rupees |
| C. 28 rupees | D. 38 rupees |
-

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. Number patterns

A number is 7 more than 36. What is it?

- | | |
|--------------|---------------|
| A. 29 | B. 42 |
| C. 43 | D. 252 |
-

10. Operations and fractions

There are 54 pencils packed equally into 6 boxes. How many per box?

- | | |
|--------------|--------------|
| A. 8 | B. 9 |
| C. 10 | D. 48 |
-

11. Measurement and geometry

A line segment starts at 2 cm and ends at 11 cm on a ruler. How long is it?

- | | |
|-----------------|-----------------|
| A. 9 cm | B. 11 cm |
| C. 13 cm | D. 22 cm |
-

Timed mini-mock (continued)

12. Number patterns

A sequence doubles: 3, 6, 12, 24, __. What is next?

- | | |
|--------------|--------------|
| A. 27 | B. 36 |
| C. 48 | D. 52 |
-

13. Time, money and data

A pictograph uses one star for 2 votes. Four stars show how many votes?

- | | |
|-------------|--------------|
| A. 8 | B. 10 |
| C. 4 | D. 6 |
-

14. Measurement and geometry

How many right angles does a rectangle have?

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

Timed mini-mock (continued)

15. Operations and fractions

A farmer puts 8 apples in each of 7 baskets, then adds 5 loose apples. How many apples total?

- | | |
|--------------|--------------|
| A. 61 | B. 66 |
| C. 96 | D. 56 |
-

16. Number patterns

A number has 5 hundreds, 0 tens and 8 ones. Which is it?

- | | |
|---------------|---------------|
| A. 805 | B. 580 |
| C. 508 | D. 58 |
-

Answers and explanations

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

1. A - 424

$248 + 176 = 424$ books.

2. C - 24

The sequence increases by 5 each time, so $19 + 5 = 24$.

3. D - 42

Six groups of seven make $6 \times 7 = 42$.

4. D - 32 m

A square has four equal sides, so $4 \times 8 = 32$ m.

5. B - 40 min

From :15 to :55 is 40 minutes.

6. B - 5/8

Five of the eight equal pieces remain, or $5/8$.

7. B - 36 cm²

Area is length $\times$ width = $9 \times 4 = 36$ cm².

8. D - 38 rupees

$37 + 25 = 62$; $100 - 62 = 38$ rupees.

Answers and explanations (continued)

9. C - 43

$36 + 7 = 43$.

10. B - 9

54 divided by 6 is 9.

11. A - 9 cm

Its length is the difference $11 - 2 = 9$ cm.

12. C - 48

Each term is twice the previous term: $24 \times 2 = 48$.

13. A - 8

Four symbols represent $4 \times 2 = 8$ votes.

14. D - 4

All four corners of a rectangle are right angles.

15. A - 61

The baskets hold $8 \times 7 = 56$; adding 5 gives 61.

16. C - 508

The place values combine as $500 + 0 + 8 = 508$.

Topic scope checked against SOF syllabus: [SOF IMO Class 3 syllabus](#)