

FREE PRACTICE PACK · EDITION 1

Class 1 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 shapes
- Numbers and operations
- Measurement and 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. 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. Patterns and shapes

A, B, A, B, A, __. What comes next?

A. D

B. A

C. B

D. C

2. Numbers and operations

There are 8 birds. 3 fly away and 2 arrive. How many are there now?

A. 5

B. 7

C. 9

D. 13

3. Numbers and operations

Which number is 1 more than 19?

A. 19

B. 20

C. 21

D. 18

Topic practice (continued)

4. Measurement and time

A pencil is 12 cm long and a crayon is 8 cm long. How much longer is the pencil?

- | | |
|----------------|-----------------|
| A. 2 cm | B. 4 cm |
| C. 8 cm | D. 20 cm |
-

5. Numbers and operations

Mina has 14 shells and gives 6 away. How many remain?

- | | |
|-------------|--------------|
| A. 8 | B. 20 |
| C. 6 | D. 7 |
-

6. Patterns and shapes

Which shape has 3 straight sides?

- | | |
|---------------------|------------------|
| A. Rectangle | B. Circle |
| C. Triangle | D. Square |
-

Topic practice (continued)

7. Money and data

A toy costs 5 coins. You pay with 8 coins. How many coins should you get back?

A. 2

B. 3

C. 5

D. 13

8. Numbers and operations

What is $6 + 7$?

A. 13

B. 14

C. 11

D. 12

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. Numbers and operations

A box has 9 red and 7 blue blocks. How many blocks altogether?

- | | |
|--------------|--------------|
| A. 17 | B. 63 |
| C. 2 | D. 16 |
-

10. Measurement and time

A class starts at 9 o'clock and ends 1 hour later. When does it end?

- | | |
|----------------------|----------------------|
| A. 8 o'clock | B. 9 o'clock |
| C. 10 o'clock | D. 11 o'clock |
-

11. Patterns and shapes

A row has 2, 4, 6, __ counters. How many are next?

- | | |
|--------------|-------------|
| A. 10 | B. 7 |
| C. 8 | D. 9 |
-

Timed mini-mock (continued)

12. Numbers and operations

Which is the greatest number?

- | | |
|--------------|--------------|
| A. 80 | B. 8 |
| C. 38 | D. 83 |
-

13. Measurement and time

Which object is likely the heaviest?

- | | |
|--|----------------------|
| A. A school bag filled with books | B. Leaf |
| C. Feather | D. Paper clip |
-

14. Numbers and operations

There are 4 plates with 2 cookies on each. How many cookies?

- | | |
|--------------|--------------|
| A. 10 | B. 12 |
| C. 6 | D. 8 |
-

Timed mini-mock (continued)

15. Money and data

A chart shows 5 children like apples and 3 like pears. How many more like apples?

A. 3

B. 5

C. 8

D. 2

16. Patterns and shapes

A square has 4 corners. How many corners do 2 squares have altogether?

A. 8

B. 10

C. 4

D. 6

Answers and explanations

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

1. C - B

The two-shape pattern repeats A then B.

2. B - 7

First $8 - 3 = 5$; then $5 + 2 = 7$.

3. B - 20

Counting one forward from 19 gives 20.

4. B - 4 cm

The difference is $12 - 8 = 4$ cm.

5. A - 8

$14 - 6 = 8$ shells remain.

6. C - Triangle

A triangle has three straight sides.

7. B - 3

$8 - 5 = 3$ coins change.

8. A - 13

Six and seven make thirteen.

Answers and explanations (continued)

9. D - 16

$9 + 7 = 16$ blocks.

10. C - 10 o'clock

One hour after 9 o'clock is 10 o'clock.

11. C - 8

The row grows by 2 counters each time.

12. D - 83

83 has 8 tens and 3 ones, making it greater than the others.

13. A - A school bag filled with books

A filled school bag is much heavier than these small objects.

14. D - 8

Four groups of two make $4 + 4 = 8$ cookies.

15. D - 2

$5 - 3 = 2$ more children chose apples.

16. A - 8

Two squares have $4 + 4 = 8$ corners.

Topic scope checked against SOF syllabus: [SOF IMO Class 1 syllabus](#)