

1. The first four terms of a sequence are **3, 6, 12, 24, . . .**

What is the next term in the sequence?

- A) 42
- B) 48
- C) 36
- D) 30

(Correct +3, Wrong 0, Blank 0)

2. A fair six-sided die is rolled once.

What is the probability of rolling a number greater than 4?

- A) $\frac{1}{2}$
- B) $\frac{2}{3}$
- C) $\frac{1}{6}$
- D) $\frac{1}{3}$

(Correct +3, Wrong 0, Blank 0)

3. In a fair six-sided dice game, each player may roll the dice twice only two times. A player wins if the second roll is greater than the first roll.

If Komo rolled a "2" for the first roll ,**what is the probability that Komo wins?**

- A) $\frac{3}{6}$
- B) $\frac{4}{6}$
- C) $\frac{5}{6}$
- D) $\frac{1}{3}$

(Correct +3, Wrong 0, Blank 0)

4. A locker number consists of three different digits. The product of the three digits is 48, and their sum is 13.

What is the smallest digit among these three digits?

- A) 3
- B) 6
- C) 4
- D) 2

(Correct +3, Wrong 0, Blank 0)

5. How many different 3-digit numbers can be formed using the digits 1, 2, 3, 4, and 5

if the digits can be repeated, and the number must be an even number?

- A) 70
- B) 50
- C) 30
- D) 100

(Correct +3, Wrong 0, Blank 0)

6. Andi has a box containing 5 blue balls, 3 yellow balls, and 2 red balls.

If he picks one ball at random from the box, what is the probability that Andi picks a yellow ball?

- A) $\frac{10}{10}$
- B) $\frac{6}{10}$
- C) $\frac{2}{10}$
- D) $\frac{3}{10}$

(Correct +3, Wrong 0, Blank 0)

7. A 3-digit number has 5 in the hundreds place, x in the tens place, and 4 in the units place.

If the sum of its digits is 15, what is the number?

- A) 564
- B) 456
- C) 654
- D) 546

(Correct +3, Wrong 0, Blank 0)

8. Rafi writes all the page numbers of a book from 1 to 500.

If he counts how many times the digit 5 appears in all these page numbers, what will the result be?

- A) 101
- B) 150
- C) 100
- D) 151

(Correct +3, Wrong 0, Blank 0)

9. A circle and a square have the same area. If the radius of the circle is reduced to half of its original length, **the area of the circle becomes the area of the square**

A) **2**
B) $\frac{1}{2}$
C) **4**
D) $\frac{1}{4}$

(Correct +3, Wrong 0, Blank 0)

10. The age ratio of Ani and Budi is **4 : 7**.

If Budi is 28 years old, **how old is Ani?**

A) 16 years old
B) 20 years old
C) 12 years old
D) 24 years old

(Correct +3, Wrong 0, Blank 0)

11. Sinta bought several books. Each book costs Rp12,000. After paying an additional shipping fee of Rp9,000, the total cost became Rp45,000.

How many books did Sinta buy?

A) 3
B) 5
C) 2
D) 4

(Correct +3, Wrong 0, Blank 0)

12. Four friends : Alex, Ben, Chris, and David are lining up for a photo.
Chris must stand at one end of the line.

How many different ways can they stand in line?

A) 6
B) 12
C) 10
D) 8

(Correct +3, Wrong 0, Blank 0)

13. Kori, Mori and Dori bring candies when they play together. When counted, Kori and Mori have 8 candies in total, Mori and Dori have 10, and Kori and Dori have 12. They agree to combine all the candies and divide them equally.

The number of candies each child receives after the distribution is ... candies.

- A) 15
- B) 10
- C) 5
- D) 30

(Correct +3, Wrong 0, Blank 0)

14. Which is the largest value among the following expressions?

- A) $\frac{144}{12} \times 10$
- B) $18 \div \sqrt{9}$
- C) $\sqrt{256} \times 3$
- D) 5^4

(Correct +3, Wrong 0, Blank 0)

15. A circular track has a radius of 14 meters. Komo runs around the track 5 times.

How far does Komo run in total? (Use $\pi = \frac{22}{7}$)

- A) 400 m
- B) 220 m
- C) 440 m
- D) 880 m

(Correct +3, Wrong 0, Blank 0)

16. In an arithmetic sequence, the 18th term is 212, and the difference in the sequence is 7.

What is the first term of the sequence?

- A) 75
- B) 88
- C) 83
- D) 93

(Correct +3, Wrong 0, Blank 0)

17. To travel from Jakarta to Komodo Island, there are three routes with transit times:

- Route A: Jakarta → Bali ($4\frac{1}{2}$ hours), Bali → Komodo Island ($3\frac{1}{4}$ hours)
- Route B: Jakarta → Surabaya ($3\frac{1}{3}$ hours), Surabaya → Komodo Island ($3\frac{2}{3}$ hours)
- Route C: Jakarta → Lombok ($5\frac{3}{4}$ hours), Lombok → Komodo Island ($1\frac{1}{2}$ hours)

If the goal is to reach Komodo Island as quickly as possible, **which route should be chosen?**

- A) Route A
- B) Route C
- C) None of answers are correct.
- D) Route B

(Correct +3, Wrong 0, Blank 0)

18. Sisca saves some money every week. She saved Rp15,000.00 on the first week, Rp20,000.00 on the second week, and Rp25,000.00 on the third week.

If this pattern continues, how much money will Sisca save on the fourth week and fifth week?

- A) Rp25.000,00 and Rp30.000,00
- B) Rp30.000,00 and Rp40.000,00
- C) Rp30.000,00 and Rp35.000,00
- D) Rp35.000,00 and Rp40.000,00

(Correct +3, Wrong 0, Blank 0)

19. The test scores of 7 students are 67, 82, 90, 88, 76, 92, and 85.

If the highest and lowest scores are not included, **what is the new average score of the remaining students?**

- A) 84.4
- B) 84.5
- C) 82.4
- D) 84.2

(Correct +3, Wrong 0, Blank 0)

20. A farmer wants to build a rectangular fence around his garden. The total length of the fence (the perimeter) is 60 meters.

If the length of the garden is $(2x + 6)$ meters and the width is $(x + 3)$ meters, what is the value of x ?

- A) 9
- B) 7
- C) 8
- D) 6

(Correct +3, Wrong 0, Blank 0)

21. A farmer plants trees in rows following a pattern. The first row has **4 trees**, the second row has **8 trees**, and the third row has **14 trees**.

How many trees are in the sixth row?

(Write your answer only in numbers)

(Correct +4, Wrong 0, Blank 0)

22. A basket contains 10 pieces of fruit, that is, 4 apples, 3 oranges, and 3 bananas. If one piece of fruit is taken at random, the probability of getting an apple is written as $\frac{a}{b}$., with ***a*** and ***b*** are natural number

Find the minimum for value of $a + b$. (Write answer only in numbers)

(Correct +4, Wrong 0, Blank 0)

23. **What number is the most suitable to continue the following sequence?**

2, 5, 11, 20, 32, _____

(Write answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

24. There are three friends, Rina, Dito, and Lala, who are painting a wall. Rina can finish painting the wall alone in 8 hours, Dito can finish it in 12 hours, and Lala can finish it in 24 hours.

If they work together, how many hours will it take to finish painting the wall? (Write your answer only in numbers)

(Correct +4, Wrong 0, Blank 0)

25. A solid wooden block is shaped like a cube. If the area of one face of the cube is 144 cm^2 .

What is the volume of the wooden block in cm^3 ?

(Correct +4, Wrong 0, Blank 0)

26. The sum of two numbers is 24 and the difference between them is 4.

Determine the smaller number! (Write answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

27. A three-digit number has the following properties:

1. The sum of the hundreds digit and the units digit is 10.
2. The hundreds digit is 4 times the tens digit.
3. When the number is divided by 4, the remainder is 2.

What is the number?

(Write your answer only in numbers)

(Correct +4, Wrong 0, Blank 0)

28. If $3A - 5 = 19$ and $2B + A = 16$, what is the value of $A + B$?

(Correct +4, Wrong 0, Blank 0)

29. Let's play a guessing game!
You are trying to guess a three-digit code. Here are the clues:

- The second digit is x , which satisfy the equation $2x - 3 = 5$.
 - The third digit is always smaller than the second digit.
 - The code is an even number and less than 600.
- If it is assumed that the digits used are between 0 and 9,

how many possible codes match these clues?

(Answer using numbers only)

(Correct +4, Wrong 0, Blank 0)

30. The data from a group of students' Mathematics test scores is presented in the table below:

Score	Number of Students
70	5
80	10
90	5

Suddenly, 5 new students, all of whom scored 75, joined the group.

What is the average score of the new group of students?

(Correct +4, Wrong 0, Blank 0)

Kompetisi Eduversal Internasional

ikuti event global bergengsi berikutnya bersama Eduversal.



KOMODO INTERNATIONAL MATH COMPETITION "GLOBAL ROUND"

komodocompetition.com

**2-7 Februari 2026
Bali, Indonesia**

Tingkatkan kemampuan matematikamu ke level selanjutnya dengan bersaing melawan siswa pecinta matematika dari mancanegara.



owlypia.org

Stand Out Across Four Challenges
"Speech Craft" "Impromptu"
"Knowledge" "Team Spirit"



OWLYPIA INDONESIA LOCAL ROUND

Medan Local Round	: 6 - 7 Desember 2025
Aceh Local Round	: 13 - 14 Desember 2025
Surabaya Local Round	: 24 - 25 January 2026
Semarang Local Round	: 31 Jan - 1 Feb 2026
Jakarta Local Round I	: 14 - 15 February 2026
Jakarta Local Round II	: 18 - 19 April 2026
Yogyakarta Local Round	: 25 - 26 April 2026
Bandung Local Round	: 2 - 3 May 2026



Application Deadline: December 30, 2025

January 9, 2026 | Jakarta

indonesia.geniusolympiad.org

International Environmental Project Fair for Grade 9-12



*Join now, earn your medal & certificate,
and secure your spot in the Grand Final in Italy!*

MATH, SCIENCE, TECH. & ENG.

Qualification Exams:

1st Option:
23 November 2025

2nd Option:
1 February 2026

*You may choose to participate
on either date, or on both.*

Final Exams:

15 February 2026

BOB* Exams:

1 March 2026
(*the best of the best)

GRADES 1-12

www.stemolympiad.org



**INTERNATIONAL
STEM OLYMPIAD**

Answer Keys

No	Key	Code
1	B	KMF/4663/VCNZS
2	D	KMF/4665/PROMU
3	B	KMF/4660/CRUBF
4	D	KMF/4773/A9RKX
5	B	KMF/4914/WGD0A
6	D	KMF/4764/GEXGD
7	A	KMF/4662/ABBW4
8	A	KMF/4775/FXB8X
9	D	KMF/4737/1JPUE
10	A	KMF/4661/HXLRY
11	A	KMF/4716/8WXWK
12	B	KMF/4915/5FVJH
13	C	KMF/4730/C2BVT
14	D	KMF/4766/CHXPZ
15	C	KMF/4664/T1CHW
16	D	KMF/4772/JCWAL
17	D	KMF/4731/39GCR
18	C	KMF/4765/EQKAB
19	D	KMF/4763/ZDC9C
20	B	KMF/4776/S4EWB