

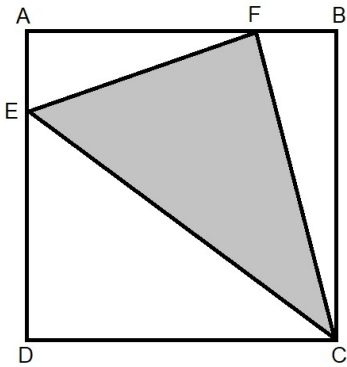
1. On a sunny Sunday, grandma bought for Ann three cute rabbits, two chickens, and five small fish. They grew up nicely until, unfortunately, on the fifth day, one of the animals died.

What is the probability that it was a chicken?

- A) $\frac{2}{5}$
 B) $\frac{3}{10}$
 C) $\frac{1}{5}$
 D) $\frac{3}{5}$

(Correct +3, Wrong 0, Blank 0)

2. In the diagram below, ABCD is a square, E is a point on AD, and F is a point on AB, such that $DE = 3AE$ and $AF = 3BF$.



What is the ratio of the area of square ABCD to that of triangle CEF?

- A) 32 : 15
 B) 18 : 7
 C) 32 : 13
 D) 16 : 7

(Correct +3, Wrong 0, Blank 0)

3. How many possible two-digit numbers that can be divided by 5 and also by 3?

- A) 6
 B) 4
 C) 3
 D) 5

(Correct +3, Wrong 0, Blank 0)

4. A teacher needs to choose four students to represent grade 1 in the English competition.

If there are 5 students in grade 1, how many different alternatives does the teacher have?

- A) 5
 B) 4
 C) 1
 D) 6

(Correct +3, Wrong 0, Blank 0)

5. A group of 6th graders took a math test, and their scores are recorded in the table below.

Student	Score
Alice	86
Bob	90
Cindy	99
Dave	85

Which student has the same score as the mean score of the class?

- A) Cindy
B) Bob
C) Dave
D) Alice

(Correct +3, Wrong 0, Blank 0)

6. A three-digit number $\overline{ABC}$ is divisible by 9.

If $A + C = 7$, what is B ?

- A) 3
B) 1
C) 4
D) 2

(Correct +3, Wrong 0, Blank 0)

7. Which of the following is the correct formula to find the area of a square A from its perimeter p ?

- A) $A = \frac{P^2}{4}$
B) $A = \frac{P^2}{16}$
C) $A = \frac{P^2}{2}$
D) $A = \frac{2P^2}{9}$

(Correct +3, Wrong 0, Blank 0)

8. Andrew grew a plant in his garden. It grew 2 cm in its first week. Each week, it grows by 10% more than it did the week before.

By how many cm does it grow in 3 weeks, including the first week?

- A) 2.40
B) 2.22
C) 2.42
D) 3.6

(Correct +3, Wrong 0, Blank 0)

9. A number x is greater than 4 but less than 8.

Which of the following is false about x ?

- A) $2x < 16$
- B) $4x > 32$
- C) $3x < 90$
- D) $\frac{x}{2} > 2$

(Correct +3, Wrong 0, Blank 0)

10. There are 23 picture cards in a set. Four show roses, three show trees, seven show spiders, and nine show chameleons. Sam picks a card at random.

What is the probability that it is an animal?

- A) $\frac{16}{23}$
- B) $\frac{10}{23}$
- C) 1
- D) $\frac{7}{23}$

(Correct +3, Wrong 0, Blank 0)

11. Ed has some candies. If he gives two of his candies to his friend, he would have less than four candies. But if he buy two more candies instead he would have more than 6 candies.

How many candies that Ed has?

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

(Correct +3, Wrong 0, Blank 0)

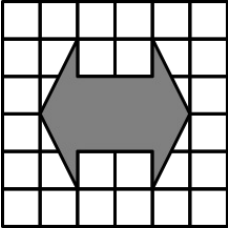
12. Jenny and her friends are planning a pizza party. They want to order enough pizzas for everyone to have two slices. Each pizza has eight slices.

If there will be 12 people at the party, how many pizzas should they order?

- A) 2
- B) 1
- C) 3
- D) 4

(Correct +3, Wrong 0, Blank 0)

13. In the figure below, the area of one grid is 1 unit squared.



The area of the shaded double arrow is ____ units squared.

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

(Correct +3, Wrong 0, Blank 0)

14. What is the sum of all the digits in the numbers from 1 to 20?

- A) 85
- B) 102
- C) 45
- D) 55

(Correct +3, Wrong 0, Blank 0)

15. The average of two numbers is 24, and their difference is 4.

What is the smaller number?

- A) 28
- B) 26
- C) 24
- D) 22

(Correct +3, Wrong 0, Blank 0)

16. In 2023, May 6 falls on a Saturday.

On which day of the week will January 1, 2024, fall?

- A) Thursday
- B) Tuesday
- C) Monday
- D) Wednesday

(Correct +3, Wrong 0, Blank 0)

17. In the following equation, $c > 0$.

$$x = \frac{a - b}{c}$$

Which of the choices is, in general, false for the equation?

- A) If a and b increases then x decreases
- B) If c increases then x decreases
- C) If a increases then x increases
- D) If b increases then x decreases

(Correct +3, Wrong 0, Blank 0)

18. Which of the following number is the closest to the squareroot of 2023?

- A) 48
- B) 36
- C) 45
- D) 42

(Correct +3, Wrong 0, Blank 0)

19. To calculate how fast something move we divide the distance travelled by the time needed for the travel. For example, the speed of a car moving 80 meters in 4 seconds is $\frac{80}{4} = 20$ meters per second.

The speed of a train moving 240 meters in 4 seconds is ____ meter per second.

- A) 30
- B) 10
- C) 120
- D) 60

(Correct +3, Wrong 0, Blank 0)

20. Since his seventh birthday, Ben has bought 8 marbles every month. On his eighth birthday, he will have 100 marbles.

How many marbles does Ben have on his seventh birthday?

- A) 24
- B) 4
- C) 12
- D) 0

(Correct +3, Wrong 0, Blank 0)

21. The following scores were earned by four of students on a math test in increasing order: x , 80, 90, 95.

If the median is equal to the mean of the scores, x is _____. (Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

22. How many possible three-digit numbers whose sum of all the digits is 4? (Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

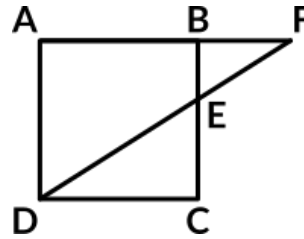
23. Ben can travel between cities A and B by either train, bus, or airplane. And he can travel between city B and city C by either ferry or airplane. Ben is planning to go from A to B to C, then back to B and to A. But he doesn't want to take the same mode of transportation two times in a row.

How many choices does Ben have for the trip?

(Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

24. The area of triangle EDC is 4 units squared, and the area of triangle BEF is 1 unit squared.



The area of rectangle ABCD is ____ units squared.

(Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

25. Four numbers, a, b, c , and d are distinct positive integers and satisfy the inequalities $a < b < c < d < a + 5$.

If $a = 1$, the largest possible value for $a + b + c + d$ is _____. (Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

26. On Sunday, Andy has 64 dollars saved in his wallet. His mother says that during the week, if Andy finishes all his daily homework at night, she will add 25 percent of Andy's money on that day. But if Andy doesn't finish his homework that day, at night she will take 20 percent of his savings.

If from Monday to Friday Andy finished his homework except on Wednesday, his savings on Saturday morning will be _____ dollars. (Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

27. A boy saved 2 dollars in the first week and 5 dollars in the second week. He saved three dollars more than he did the previous week.

What was the total amount of money that the boy had in the first 12 weeks? (Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

28. In the equation below, n is a positive integer, as are a and b .

$$n = \frac{6}{a + b}$$

How many different pairs of a and b are possible for the above condition? (Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

29. The sum of three positive integers is 67. The difference between the largest and the smallest one is 3 and the difference between the largest and the middle one is 2.

The smallest number is ____. (Write our answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

30. Two dice are thrown 12 times.

How many times you would expect to get the sum of 7 from the two dice? (Write only in numbers.)

(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	C	KMF/2589/XOE1G
2	C	KMF/2658/UBYIY
3	A	KMF/2694/O1Z3J
4	A	KMF/2707/FYLS7
5	B	KMF/2709/NAMTI
6	D	KMF/2681/KSHDC
7	B	KMF/2701/YXZ96
8	C	KMF/2650/OTIVG
9	B	KMF/2706/1FF1H
10	A	KMF/2590/2TMUA
11	C	KMF/2703/S6YDV
12	C	KMF/2708/JANTI
13	C	KMF/2700/OGXXB
14	B	KMF/2710/DHMSP
15	D	KMF/2705/YPRWO
16	C	KMF/2643/VHABY
17	A	KMF/2682/8UFVA
18	C	KMF/2679/JLK4H
19	D	KMF/2702/MGIE6
20	B	KMF/2704/Q3CF8