ASMOPSS THAILAND 2026

Asian Science & Mathematics Olympiad for Primary and Secondary Schools (Thailand)

Mathematics Primary G.3

Sunday, August 9, 2026

8:30 – 10:00 a.m. (90 minutes)

$$\sum x^2$$

B

Instructions

1. This exam includes 25 questions, with a total score of 100.
2. Fill out your name, grade, school, test center, room, seat number, and identification number either in pen or in pencil.
3. Use a 2B black pencil or darker one to fill in the circles corresponding to your answer written at the top.
4. Use a pen or a pencil to write your answer in the box at the top of the column.
5. If you want to change an answer that you have already marked, use a clean eraser to erase the incorrect answer and mark the new one.
6. It should be noted that figures in the exam are not drawn to scale.
7. Dictionaries, calculators, and electronic devices are not permitted in the test room.
8. Note taking can be done on the test paper only, with no extra sheet provided.
9. If the answer is a number that is more than 3-digit number or decimal number, please answer as the following pattern:
   - 9.1 If the answer is more than 3-digit number, then answer the last 3 digits.
   - 9.2 If the answer is decimal number, then round the answer to the nearest integer.
10. Do not write anything or make any symbols in the black barcode area along the edge of the paper except the answers on the answer sheet. Make sure the answersheet is not crumpled.
11. Submit the answer sheet to the proctor when the time is up.
12. Cheating in the exam may cause serious consequences including disqualification from receiving any award or joining the second round of the test held by ASMOPSS THAILAND.

Should any disagreement arise, the judgment of the panel is deemed final.

Announcement of the results via https://asmopssthailand.com on September 14, 2026

: ASMOPSS Thailand / Miraah Education

Contact US

LINE @asmopss.thailand

LINE @miraah.edu

1. Find the value of $81+37+42+19+25+53-12-15$. (2.5 points)

2. Find the sum of all even integers that are between 10 and 50. (2.5 points)

3. Find the value of $\frac{1}{2}+\frac{2}{2}+\frac{3}{2}+\frac{4}{2}+\frac{5}{2}+\frac{6}{2}+\frac{7}{2}$. (2.5 points)

4. A chicken costs 112 baht, and 2 eggs cost 8 baht. If a mother buys 3 chickens and 5 eggs, how much money does she spend in total? (2.5 points)

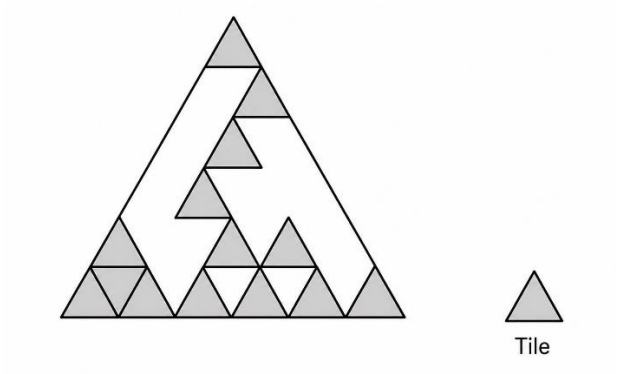
5. Tom has 100 baht. He buys 12 eggs for 6 baht each. How much money will Tom have left after buying the eggs? (2.5 points)

Copyright © 2026 ASMOPSS. All Rights Reserved.

6. Class P.3/1 and P.3/2 each have 20 students.

   If the number of male students in class P.3/1 is $\frac{17}{20}$ of the number of students in class P.3/1, and the number of male students in class P.3/2 is $\frac{15}{20}$ of the number of students in class P.3/2, what is the sum of female students in classes P.3/1 and P.3/2? (2.5 points)

7. Given a large equilateral triangle with side length 72 centimeters, Fibo arranges several smaller equilateral triangles, each with side length 12 centimeters, within this large triangle, as shown in the figure.



   If Fibo wants to fill the remaining area (white space) of the large triangle with small equilateral triangle tiles, how many additional small equilateral triangle tiles will Fibo need? (2.5 points)

Copyright © 2026 ASMOPSS. All Rights Reserved.

8. From the given figure,



what is the sum of the number of axes of symmetry of all the shapes?

(2.5 points)

9. Let ⃠ be a mathematical operation.

If $4 \oslash 5 = 4 \times 2 - 5 = 3$,

$8 \oslash 3 = 8 \times 2 - 3 = 13$,

$7 \oslash 2 = 7 \times 2 - 2 = 12$,

Then what is the value of $9 \oslash 6$?. (4.5 points)

Copyright © 2026 ASMOPSS. All Rights Reserved.

10. Given the digital numbers from 0 to 9 as shown below:



If a three-digit natural number is constructed using the above digital numbers under the following conditions:

- The digits in each place value can be repeated.
- When this three-digit number is rotated 180 degrees clockwise, the new three-digit number still reads the same as the original number before rotation.

Find the largest three-digit natural number that satisfies the given conditions. (4.5 points)

11. Fibo has three 20-baht banknotes, three 50-baht banknotes, and one 100-baht banknote. If he exchanges all these banknotes for 5-baht coins and 10-baht coins, and the total number of both denominations is 55, how many 10-baht coins will Fibo receive in total? (4.5 points)

Copyright © 2026 ASMOPSS. All Rights Reserved.

12. From the relationship of the following addition pattern:

1 = 1

1 + 1 + 2 = 4

1 + 1 + 2 + 2 + 3 = 9

1 + 1 + 2 + 2 + 3 + 3 + 4 = 16

1 + 1 + 2 + 2 + 3 + 3 + 4 + 4 + 5 = 25

1 + 1 + 2 + 2 + 3 + 3 + 4 + 4 + 5 + 5 + 6 = 36

Find the value of $1+1+2+2+3+\ldots+10+10+11$. (4.5 points)

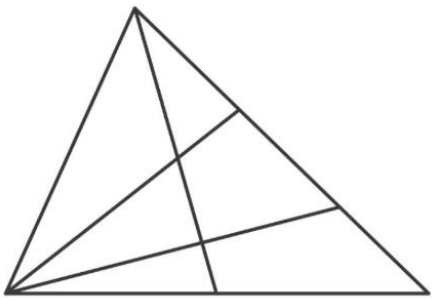
13. A man obtained his first driver's license at the age of 22 and had to renew it every 5 years. If he is currently 48 years old and has renewed his license on schedule every time, how many times has he renewed his license in total? (4.5 points)

Copyright © 2026 ASMOPSS. All Rights Reserved.

14. A 3D printer takes the following time to print rectangular workpiece of each size:
    - Printing a rectangular shape of size $3 \times 3 \times 3$ cubic centimeters takes 15 minutes per piece.
    - Printing a rectangular shape of size $5 \times 5 \times 5$ cubic centimeters takes 40 minutes per piece.
    - Printing a rectangular shape of size $6 \times 6 \times 6$ cubic centimeters takes 50 minutes per piece.

    This printer must pause and rest for a 1-hour break after every 2 hours of continuous operation. If Fibo wants to print 4 pieces of each size, what is the minimum number of hours required to complete this task? (Include the machine's cooling/rest periods in the total time) (4.5 points)

15. From the figure, how many triangles are there? (4.5 points)



Copyright © 2026 ASMOPSS. All Rights Reserved.

16. A store offers promotional packages with discounts as follows:

Package 1: 1 piece of bread and 2 cartons of milk, discounted by 2 baht, is now only 42 baht.

Package 2: 2 pieces of bread and 1 carton of milk, discounted by 2 baht, is now only 50 baht.

Package 3: 1 piece of bread, 1 carton of milk, and 1 box of juice, discounted by 2 baht, is now only 40 baht.

Package 4: 2 cups of gelato smoothie, discounted by 30 baht, is now only 884 baht.

If Fibo buys 1 cup of gelato smoothie and 1 carton of juice at their regular prices. How much money does Fibo have to pay? (6 points)

17. Anna, Best, and Charlie are all three standing in a row, where:

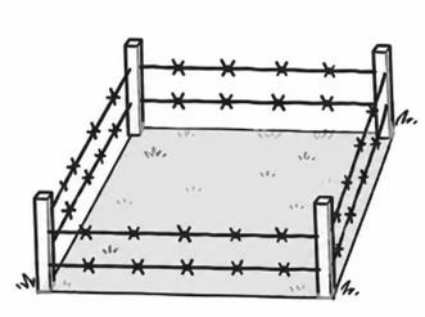
- There are 3 people standing in front of Charlie.
- There are 24 people standing behind Charlie.
- There are 2 people standing behind Best.
- There are 15 people standing behind Anna.

Find the total number of people standing between Anna and Best.

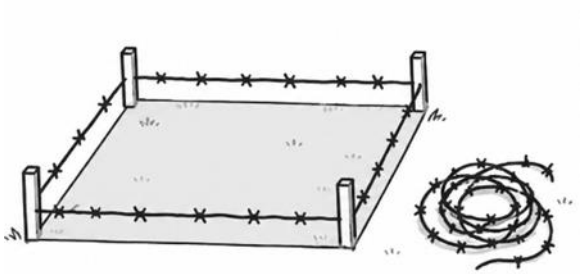
(6 points)

Copyright © 2026 ASMOPSS. All Rights Reserved.

18. Marwin owns two plots of land and two rolls of barbed wire of equal length. He uses the first roll of barbed wire to enclose the first plot of land, which is square with a side length of 8 meters. The wire is sufficient to enclose the plot exactly 2 times completely.



If Mawin uses the second roll of barbed wire to enclose the second plot of land, which is rectangular with a width of 6 meters and a length of 8 meters and he encloses it once,

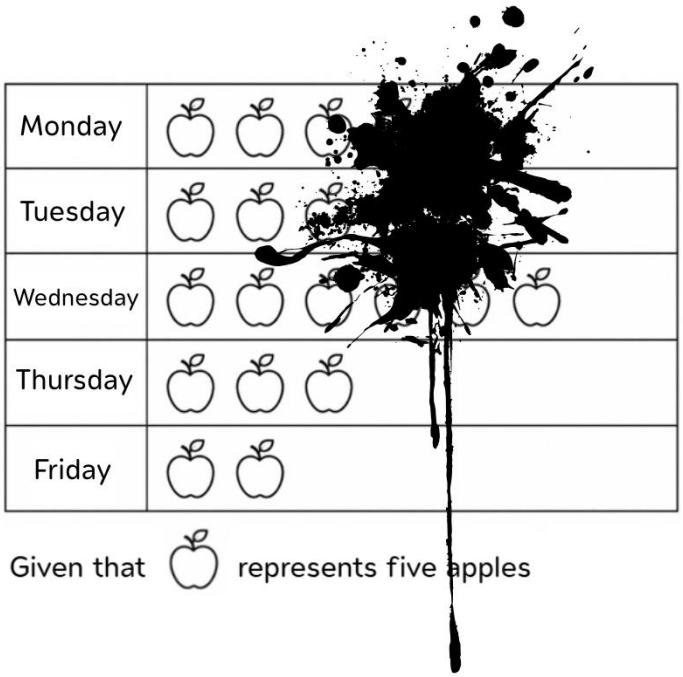


how many meters of barbed wire will Marwin have left? (6 points)

19. How many two-digit numbers are there such that the tens digit and the unit digit are different, and the sum of their digits is divisible by 3? (6 points)

Copyright © 2026 ASMOPSS. All Rights Reserved.

20. Nene accidentally spilled ink on the pictograph showing the number of apples her shop sold over 5 days, as shown in the figure.



Nene's shop sold a total of 100 apples over the 5 days, with Monday having sold 5 more apples than Tuesday.

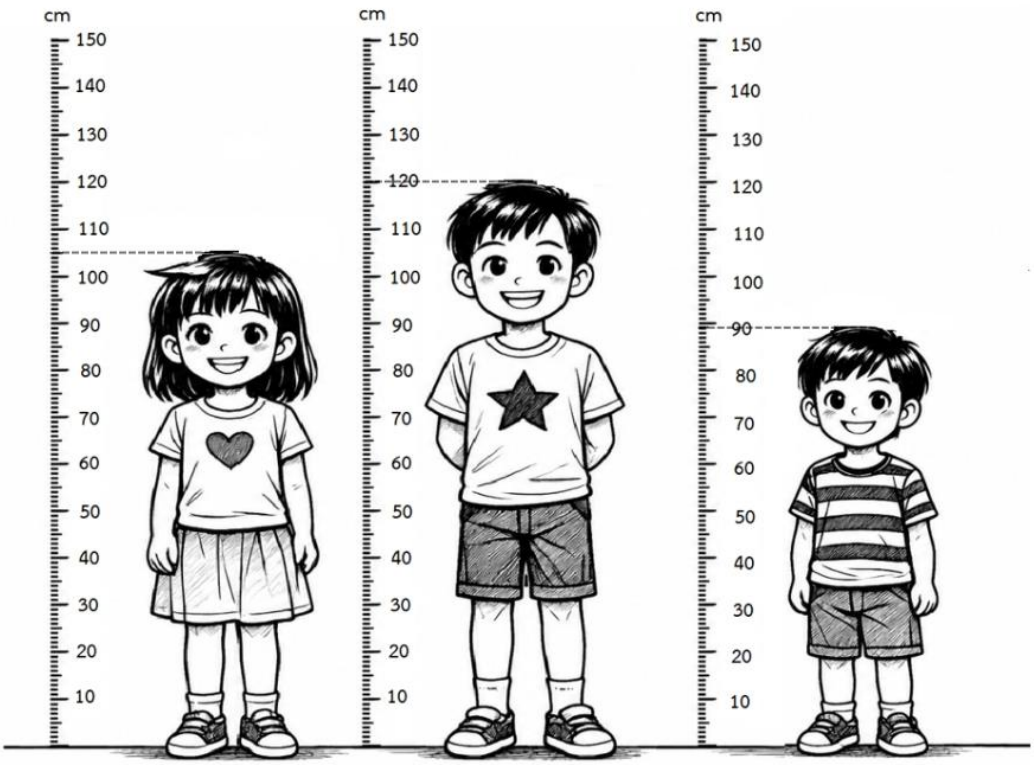
Based on the above information, how many more apples did Nene's shop sell on Tuesday than on Friday? (6 points)

21. Given that N is a natural number such that N added to 12, equals 81. Find the value of N. (2.5 points)

Copyright © 2026 ASMOPSS. All Rights Reserved.

22. From the given number pattern $99,\ 95,\ 91,\ 87,\ 83,\ \ldots$, what is the sum of the next 2 numbers? (4.5 points)

23. The figure below shows the heights of Anna, Diego, and Charlie.



What is the sum of their heights? (4.5 points)

Copyright © 2026 ASMOPSS. All Rights Reserved.

24. If Fibo wants to arrange four different books on a bookshelf, how many different ways are there? (2.5 points)



25. Saendee has 3 shirts, one red, one blue, and one yellow, and 4 skirts, one red, one blue, one yellow, and one white. How many different ways can Saendee choose to wear a shirt and a skirt, provided that the shirts and skirts are not the same color? (4.5 points)

Copyright © 2026 ASMOPSS. All Rights Reserved.

GRADE 3 ANSWER KEY

No.	Answer	No.	Answer
1	230	**14**	10
2	570	**15**	15
3	14	**16**	467
4	356	**17**	12
5	28	**18**	36
6	8	**19**	27
7	22	**20**	10
8	6	**21**	69
9	12	**22**	154
10	986	**23**	314
11	7	**24**	24
12	121	**25**	9
13	5		

Copyright © 2026 ASMOPSS. All Rights Reserved.