1. What is the value of $10+10+10+2+2+2+2$? **(2.5 Marks)**

2. What is the value of $12+9-4+21+8-6$? **(2.5 Marks)**

3. How many natural numbers are between 12 and 24? **(2.5 Marks)**

4. If the counting numbers 1 to 30 are written down on a piece of paper, how many times does the digit 2 appear? **(2.5 Marks)**

5. Given the pattern of $7, 10, 13, ___, 19, 22$. What number should be filled in the blank? **(2.5 Marks)**

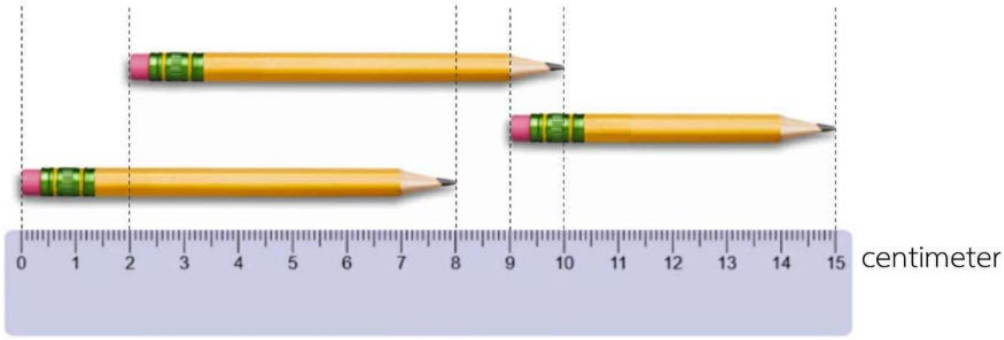
6. Mawin has 13 bottles of orange juice. Archa has 8 more bottles of orange juice than Mawin. How many bottles of orange juice does Archa have? **(2.5 Marks)**

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7. From diagrams below, what is the total number of symmetry axes for these three geometric shapes? **(2.5 Marks)**



8. From the diagram, three pencils are measured in centimeters using a ruler.



What is the total length of three pencils? **(2.5 Marks)**

9. Harry planted 3 mango trees.

Harry collected 12 mangoes from the first tree.

Harry collected 8 mangoes from the second tree.

Harry collected 7 mangoes from the third tree.

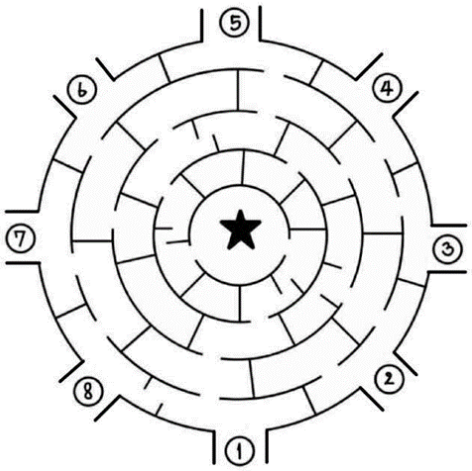
If Harry sold 15 of all the mangoes he collected, how many mangoes does remain? **(4.5 Marks)**

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10. Kevin has an unlimited supply of the numbers 2, 4, and 7. If Kevin wants to add or subtract these numbers to get a result of 54, where the numbers 2, 4, and 7 are used at least once, how many of the 7 must Kevin use at a minimum? **(4.5 Marks)**

11. A pair of shoes cost $\$25$, and a pair of socks cost $\$4$. If Kevin has $\$50$ and buys one pair of shoes, what is the maximum number of pairs of socks he can buy? **(4.5 Marks)**

12. From the diagram,



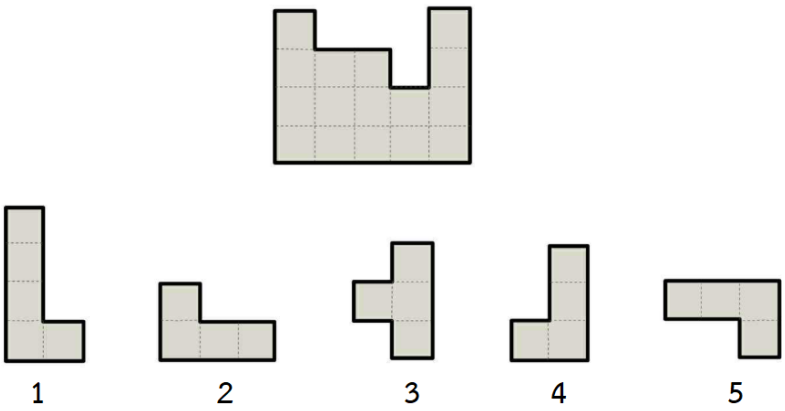
the maze has 8 entrances in total, numbered $1,2,3,...,8$ respectively. What is the sum of the number of entrances that can lead to the stars?

(4.5 Marks)

13. If $3 + ☆ = 5$ and $☼ + 5 = 12$, how much ☆ less is than ☼? **(4.5 Marks)**

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14. From the diagram, there is some geometric sharp missing.



What is the largest three-digit number formed by arranging the numbers of the pieces that perfectly fit together to complete the rectangle in the diagram above? **(4.5 Marks)**

15. The ages of Ken, Keen, and Kung are different as follows. Ken is 3 years older than Keen. Kung is 2 years younger than Ken. If Keen is 6 years old, what is the sum of their ages? **(4.5 Marks)**

16. Charlie bought a certain number of cake pieces. If he eats each piece of cake according to the following pattern:

    Piece 1: He takes 2 minutes to eat.

    Piece 2: He takes 4 minutes to eat.

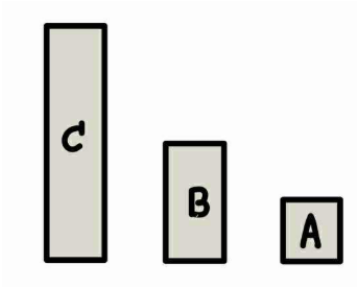
    Piece 3: He takes 6 minutes to eat.

    The next piece: He will always take 2 more minutes.

    If Charlie finishes eating all the cake in less than 56 minutes, what is the maximum number of cake pieces that Charlie buys? **(6 Marks)**

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17. Tom has three logs with different lengths as shown below.



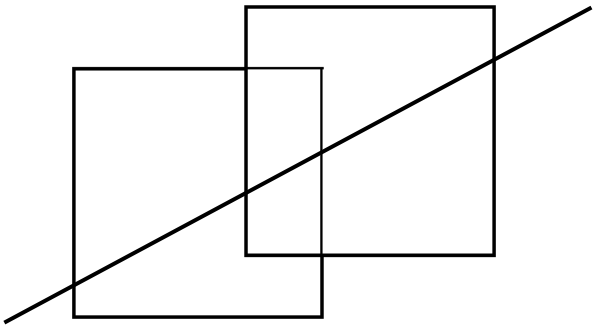
Log B is twice as long as Log A.

Log B is half the length of Log C.

All logs are arranged in a row and their total length is 21 centimeters.

How long is Log C? **(6 Marks)**

18. From the diagram below, how many quadrilaterals are there?



(6 Marks)

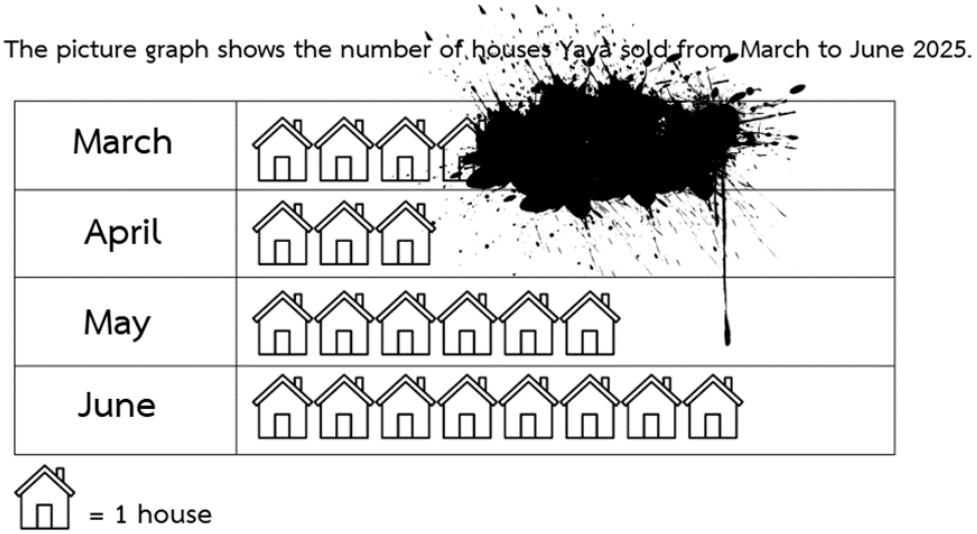
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19. A group of students is playing a game called “One, Two, Clap!!!”. The rules are as follows:

    - The person who starts the game counts "1", the next person counts "2", and so on in order.
    - The third person has to clap, and this pattern continues, e.g., 1, 2, Clap, 4, 5, Clap, 7, 8, Clap, ... this pattern continues until everyone has played.

    After everyone in the group finished playing the game, there were a total of 6 claps from the students in the group. What is the maximum number of students in this group? **(6 Marks)**

20. The picture graph shows the number of houses that Yaya sold from March to June 2025.



    If from March to June 2025, Yaya sold a total of 24 houses, how many more houses did Yaya sell in March than in April? **(6 Marks)**

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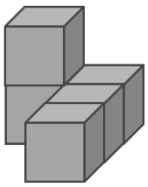
21. Let ■ , ☆ and ● be one-digit numbers.

If
$$\begin{array}{r} 3\ 5\ 1 + \\ \underline{6\ 2\ 3} \\ \blacksquare\ \bigstar\ \bullet \end{array}$$

then find the value of ■ + ☆ − ●. **(2.5 Marks)**

22. Marie has two more candies than Mina. If they add up their candies, there are 8 in total. How many candies does Marie have? **(4.5 Marks)**

23. Johan places 5 identical cubes as shown below.



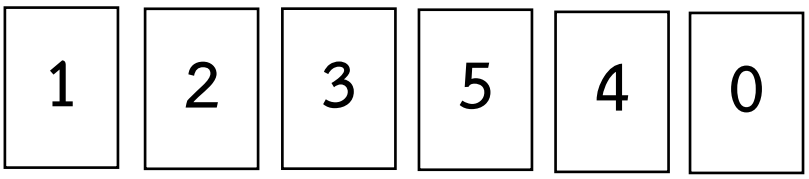
If Johan wants to add more identical cubes to the arrangement above to form a large cube, what is the minimum number of additional cubes that Johan needs? **(4.5 Marks)**

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24. From the table below, how many odd numbers are there? **(2.5 Marks)**

5	8	7	9
11	13	14	23
24	36	37	38
41	43	46	49

25. There are six cards numbered as shown below.



How many ways are there to select two cards and form a two-digit even number greater than 20? **(4.5 Marks)**

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GRADE 1 ANSWER KEY

No.	Answer	No.	Answer
1	38	14	542
2	40	15	22
3	11	16	6
4	13	17	12
5	16	18	11
6	21	19	20
7	3	20	4
8	22	21	12
9	12	22	5
10	2	23	22
11	6	24	10
12	21	25	9
13	5		

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