1. Find the value of 8,924 + 8,924 + 8,924 + 8,924 – 4 x 8,732.

2. Consider the subtraction below.

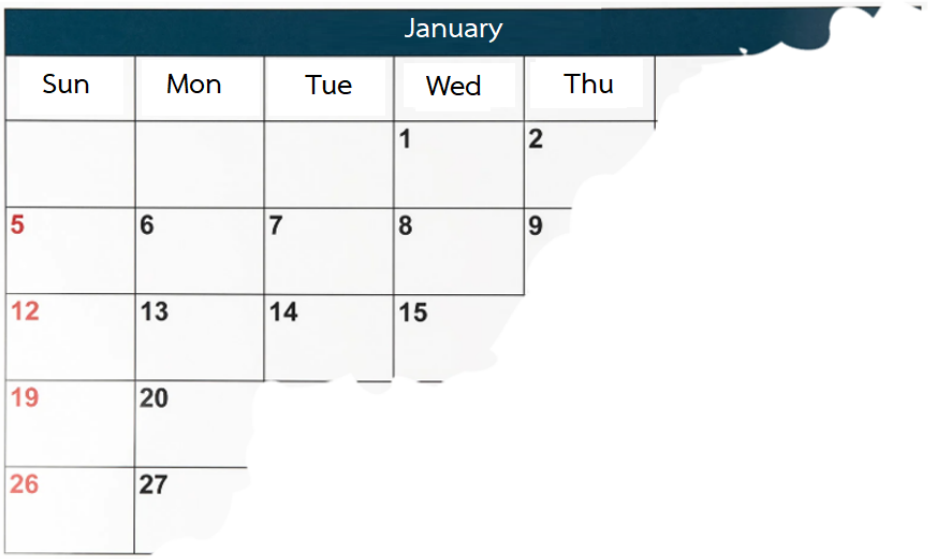
| | | |
|---|---|---|
| **B** | **3** | **2** |
| **1** | **C** | **8** |
| **A** | **3** | **A** |

If A, B, and C represent digits in the above expression, then find the value of ( A + B + C) x B.

3. If $\frac{2}{5} + \frac{1}{5} = \frac{\triangle}{20}$, then how many natural numbers are less than $\triangle$ and divisible by 2?

4. If $\square$ + 12 = 31 and $\triangle$ - $\square$ = 72, then find the value of $\triangle$ + $\square$.

5. The figure presents a calendar for January, but some parts are missing.



| January | | | | |
|---|---|---|---|---|
| Sun | Mon | Tue | Wed | Thu |
| | | | 1 | 2 |
| 5 | 6 | 7 | 8 | 9 |
| 12 | 13 | 14 | 15 | |
| 19 | 20 | | | |
| 26 | 27 | | | |

Find the sum of odd numbers in the missing part.

6. The given sequence of numbers is 25, 32, 39, 46, ... , A, B, 179.
What is the value of A + B?

7. Let $\square$ be the greatest natural number when rounded to the nearest 10 is 500 and let $\triangle$ be the smallest natural number when rounded to the nearest 100 is 300. Find the value of $\square - \triangle$.

8. The ASMOPSS Museum displays the Mathematics and Sciences exhibition. There are many experiments and events. The ASMOPSS Museum sells an adult admission ticket for 60 baht and a child admission ticket for 40 baht. If 8 people in Ji Yeon's family go to the ASMOPSS Museum and the cost of admission is total of 440 baths, how many children are there?

9. Yaya and Marwin went to a café. The admission ticket is for 80 baht per person. The staff explained that each ticket can be used to discount a beverage for 40 baht. The discount can only be used once per ticket. They ordered the following beverages:

   - Caramel Macchiato 125 baht
   - Strawberry Smoothie 140 baht
   - Drinking Water 22 baht.

   What is the total amount they must pay at the café?

10. Figure 1 and 2 present balance scales with various objects on each side.

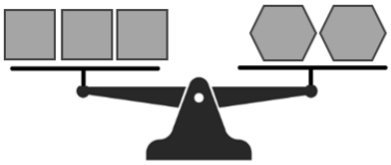


Figure 1

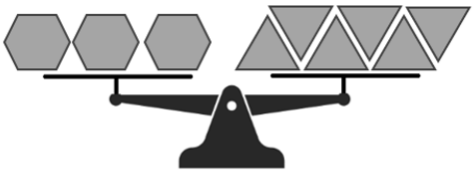
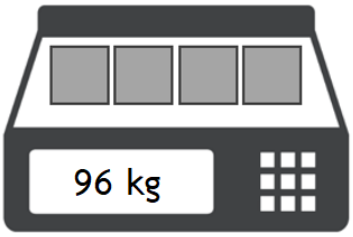
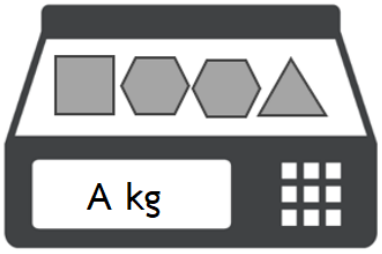


Figure 2

Jenny weighs four squares with a digital scale showing 96 kilograms.




Jenny weighs the objects as shown below showing A kilograms.




Find the value of A.

11. If the words are related to the numbers as follows

GEL = 739

ZOO = 200

then find the value of LIE + SEE.

12. May had some money. She planned to spend $\frac{1}{3}$ of her money on buying shoes. However, the shoe shop discounted the shoes' price for 42 baht. He remained 690 baht after buying shoes. How much money did he have at the beginning?

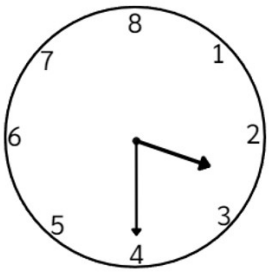
13. ASMOPSS City made a new clock to present new time system called "ASMOPSS Time". There are numbers 1 to 8 on the clock face. The short and long hands of the ASMOPSS -watch tell the ASMOPSS hous and ASMOPSS minute, respectively.

    The short hand rotates 1 revolution equals 1 ASMOPSS day.

    The long hand rotates 1 revolution equals 1 ASMOPSS hour.

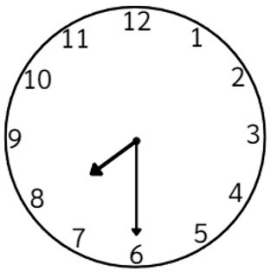
    If now the ASMOPSS -watch face shows the short hand points between the numbers 2 and 3, while the long hand points to the number 4, see Figure (a), it corresponds to the normal time of 7:30 a.m., see Figure (b).

    From Figures (a) and (b), when the short hand of the ASMOPSS -watch points through the number 3 and the long hand points directly at the number 2, how many minutes does a normal watch take?




ASMOPSS watch

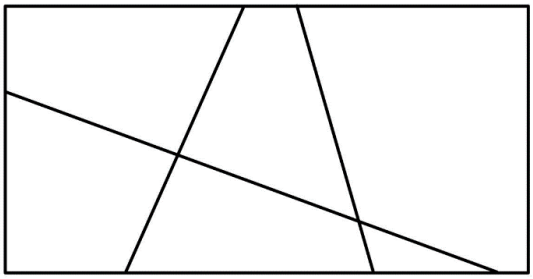
(a)



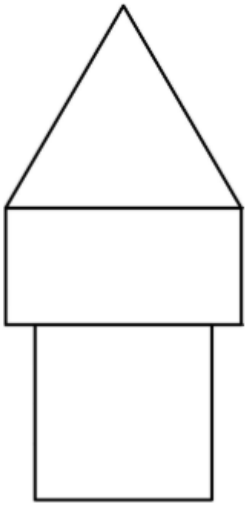

General watch

(b)

14. From the figure below, how many quadrilaterals are there?



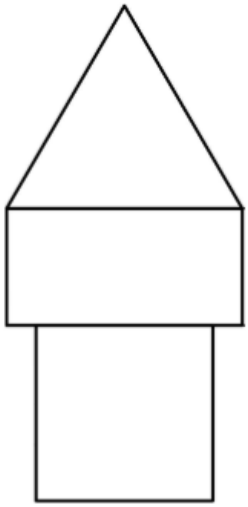
15. In the figure, the polygon is created by connecting square, rectangular, and equilateral triangle.



If the perimeter of equaliteral triangle is 24 centimeters, find the perimeter of this polygon.

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In the figure, the polygon is created by connecting square, rectangular, and equilateral triangle which have the same perimeter.



If the perimeter of equaliteral triangle is 24 centimeters, find the perimeter of this polygon.

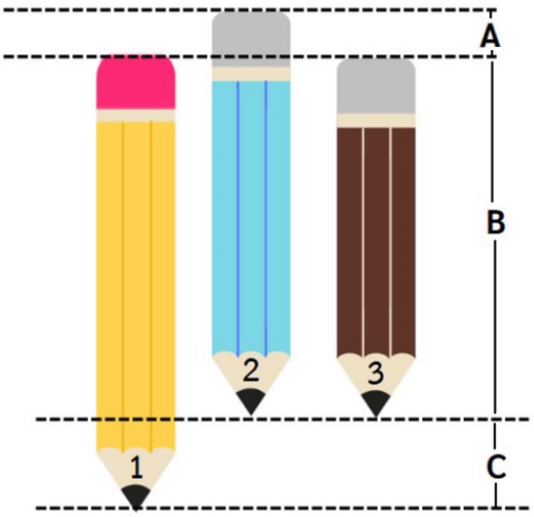
16. Lisa joins blocks with some patterns as shown below.



Figure 1 Figure 2 Figure 3

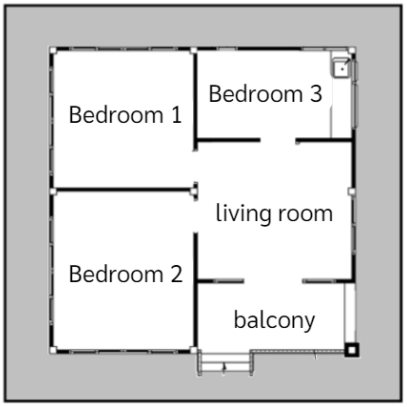
She measures the height of blocks in Figures 1, 2, and 3 which are 4 centimeters, 7 centimeters, and 10 centimeters, respectively. If Lisa continues joining blocks following this pattern, what is the height of the joined blocks in Figure 42?

17. In the figure, three pencils are measured lengths in three different parts A, B, and C.




If the length of part C is two times the length of part A and the length of three pencils in total is 45 centimeters, then how long is the pencil numbered 2?

18. Pom builds a house on a square-shaped land. There is a walkway around the house whose width is 2 meters long. Suppose that Pom designs the area of a square bedroom-1 to be 16 square meters and the area of a square living room to be 25 square centimeters as in the figure below.

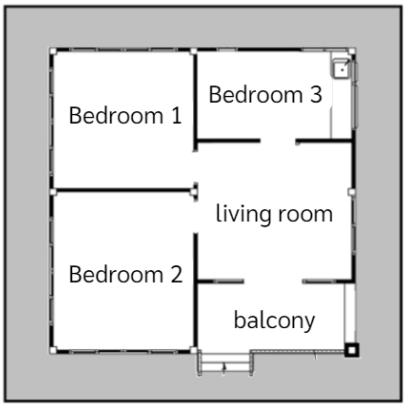



What is the area of Pom's land in square meters?

(Given the area of a square is equal to (side) x (side) square units.)

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Pom builds a house on a square-shaped land. There is a walkway around the house whose width is 2 meters long. Suppose that Pom designs the area of a square bedroom-1 to be 16 square meters and the area of a square living room to be 25 square meters as in the figure below.



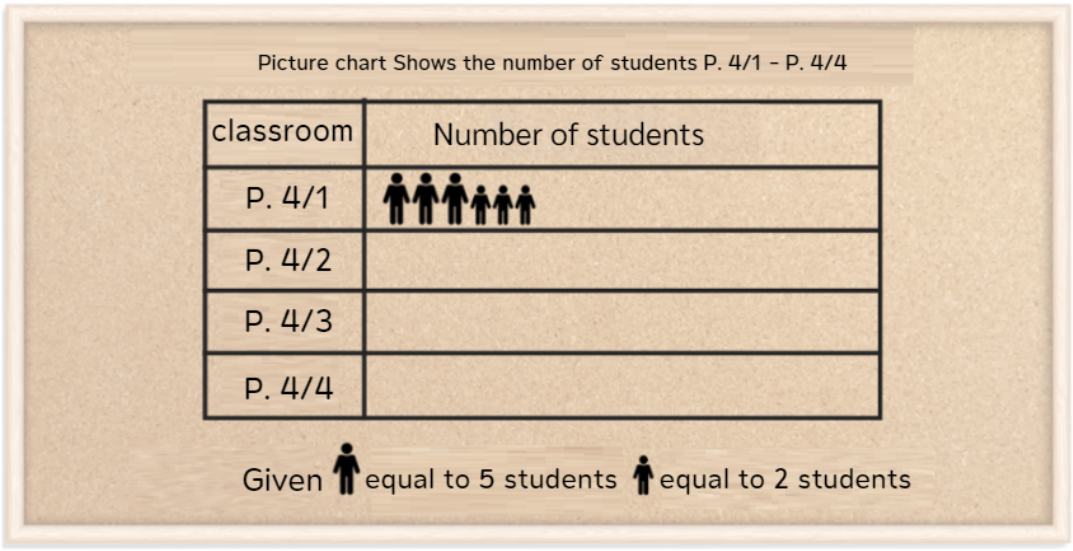

What is the area of Pom's land in square meters?

(Given the area of a square is equal to (side) x (side) square units.)

19. A student writes numbers 1 to 20 in a row in the format 1234567891011...

How many numbers of the 3-digit numbers in a row in the written number are greater than 200?

20. Teacher Somsri is making a board showing the number of students in Primary 4/1 to 4/4. She uses a personal pictogram to represent the number of students. She has not finished but needs to leave so she lets teacher Somchai continue making the board and gives the following information.




1) "I have cut the right amount of person pictograms for representing the numbers of students already." The remaining pictograms are shown below.



2) "I have finished the Primary 4/1. Other rooms must have both pictograms  and  ".

3) "I remember that the number of Primary 4/2 students is two more than the number of Primary 4/1 students but four less than the number of Primary 4/3 students."

How many pictograms in total are used to represent the number of Primary 4/4 students?

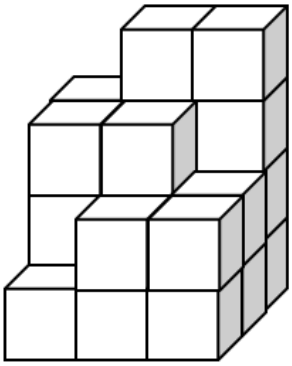
21. Students of Primary 4/1 class stand in a row. Tom is the $18^{th}$ from the left end of the row and the $12^{th}$ from the right end of the row. How many students of Primary 4/1 class are there?

22. Tomas has six kinds of animals. He records weights of each as shown in the table below.

| Kind | Weight |
|---|---|
| Cat | 3,524 grams |
| Rabbit | 1 kilogram 451 grams |
| Hen | 2 kilograms 110 grams |
| Duck | 2,470 grams |
| Dog | 3 kilograms 485 grams |
| Snake | **?** |
| Total | 13 kilograms 978 grams |

What is the weight of his snake in grams?

23. In the figure, how many cubes are there?



24. If numbers 1 to 200 are written on a paper, then how many times writing number 1 on the paper?

25. Sarah has 8 identical sweets, and she wants to share all sweets into 6 friends. Each friend gets at least 1 sweet. How many ways does Sarah have?

# GRADE 4 ANSWER KEY

| No. | Answer | No. | Answer |
|---|---|---|---|
| 1 | 768 | 14 | 12 |
| 2 | 114 | 15 | 44 |
| 3 | 5 | 16 | 127 |
| 4 | 110 | 17 | 15 |
| 5 | 160 | 18 | 169 |
| 6 | 337 | 19 | 16 |
| 7 | 254 | 20 | 5 |
| 8 | 2 | 21 | 29 |
| 9 | 367 | 22 | 938 |
| 10 | 114 | 23 | 24 |
| 11 | 652 | 24 | 140 |
| 12 | 972 | 25 | 21 |
| 13 | 105 | | |

***หมายเหตุ ข้อ 15 และ ข้อ 18 คณะกรรมการตัดสินให้คะแนนฟรี เนื่องจากโจทย์ภาษาอังกฤษไม่สมบูรณ์