1. Find the value of $37 + (874,125 - 874,088) \times 14$.

2. What is the smallest 3- digit number which when divided by 15 leaves a remainder of 3?

3. Given $\frac{A}{12} + \frac{B}{15} = \frac{13}{60}$ where A,B are counting numbers, what is the value of $A + B$?

4. In the below figure series,

3	2	4	3	5	4	A	B
6	11	12	19	20	29	C	D

Figure 1 Figure 2 Figure 3 Figure 4

if $A, B, C,$ and D are counting numbers in Figure 4, what is the value of $A + B \times C - D$?

5. James drives out of the house at $8:35$ a.m. and stops by a store at $9:10$ a.m. to buy milk for his grandmother. Then James drives out of the store for another 45 minutes and arrives at Grandma's house at $10:15$ a.m. How many minutes does James spend shopping at the store?

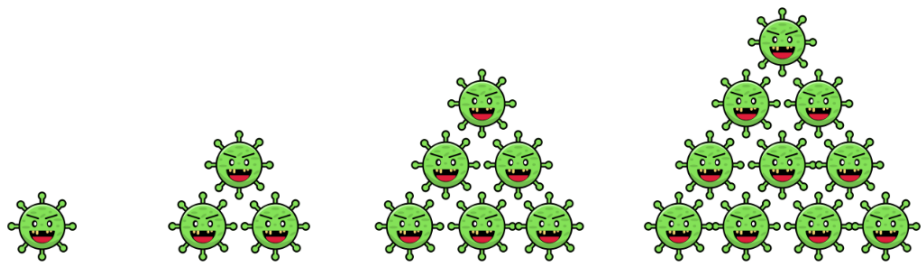
6. A shop sets the selling price of various fruits are shown in Table below.

Fruit	Weight / Piece	Price / Kg
Durian	3 kg 400 g	50 baht
Watermelon	1 kg 225 g	40 baht
Coconut	1,450 g	20 baht
Melon	2,600 g	25 baht
Papaya	1 kg 800 g	10 baht

If Joey wants to buy 3 types of fruits, 1 fruit of each kind, and gets the maximum total weight, how much does Joey have to pay in total?

7. Let A be a number between 200 and 240 that is divisible by 8.
If $A-2$ is divisible by 5, then what is A?

8. The figure below shows the expansion of monsters each day.



day 1 day 2 day 3 day 4

How many monsters will there be on the 20^{th} day?

9. Noah, Mary, and Mark are at different ages as follows.

   - Noah is 13 years and 4 months old
   - Mary is 1 year and 6 months younger than Noah
   - Mark is 2 years and 10 months older than Mary

   If the sum of the ages of three people is "A" years and "B" months, then what is $A + B$?

10. A shop sells sport pants at 80 baht each, but if you buy 8, then you get 1 free. If Jimu gets 50 sport pants and sells them for 89 baht each, how much profit in total will he earn from selling sport pants?

11. In the letter series $ASMOPSSASMOPSSASMOPSSASMOP\ldots$, if you continue this pattern for 200 letters, how many S letters are there in this pattern?

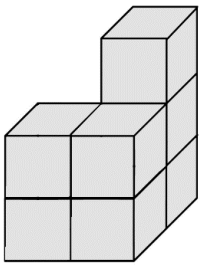
12. The average age of four students is 11 years. If the youngest student is removed, the average age increases by one year. How old is the removed student?

13. A factory has 3 meatball production machines. Each machine works differently as follows.

    - Machine A can produce 240 meatballs in 20 minutes.
    - Machine B can produce 240 meatballs in 30 minutes.
    - Machine C can produce 240 meatballs in 1 hour.

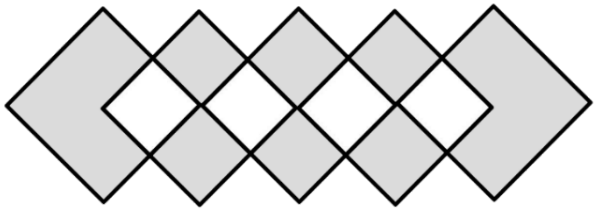
    If machines $A, B,$ and C operate simultaneously, how many minutes at least will it take in order to produce 720 meatballs?

14. In the below figure,



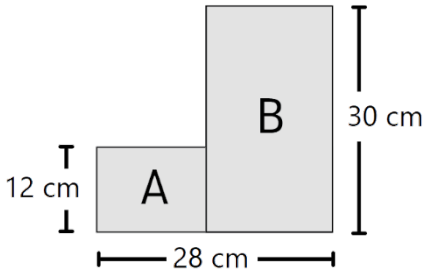
    Lisa makes the block by using 8 cubes and then paints all sides (including the bottom). How many cubes have three sides painted?

15. The figure below shows five overlapping squares. All overlapping regions are equal square.



    If the area of all shaded portions is 48 square centimeters. How many square centimeters is the area of all unshaded portions?

16. In the figure below,

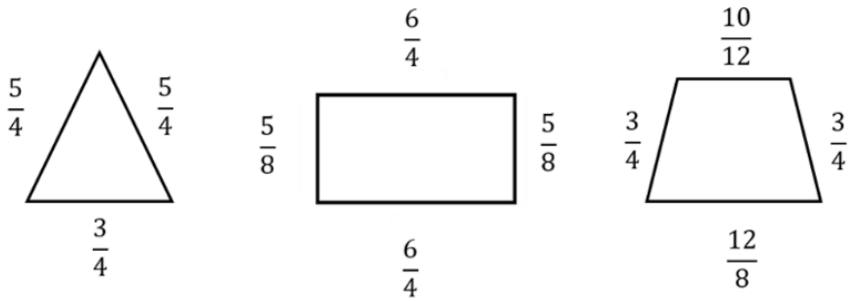


If the area of rectangle A is 156 square centimeters, what is the area of rectangle B in square centimeters?

(The area of a rectangle = width x length)

17. Robert wants to plant mango trees on a rectangular land with the width of 25 meters and the length of 32 meters. For the best mango production, the space between mango trees must be at least 6 meters apart. What is the maximum number of mango trees Robert can plant?

18. The below figure shows three geometric shapes with side lengths in fraction.

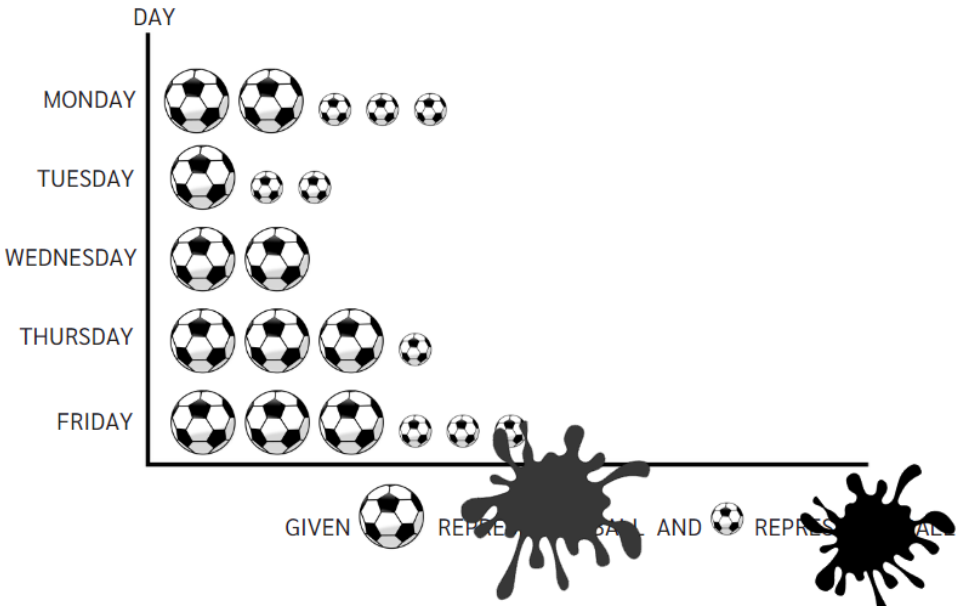


If the longest perimeter among three shapes is $\frac{M}{24}$ units, what is the value of M?

(The perimeter of a geometric figure is the sum of the lengths of its sides.)

19. Oscar has 1 baht coins, 5 baht coins, and 10 baht coins for 10 coins each. If Oscar buys 15 baht snacks, how many different ways can Oscar pay for snacks without receiving change?

20. A picture chart showing the number of soccer balls sold by sporting goods stores, Monday – Friday.



From the picture chart above, a sporting goods store can sell 36 footballs on Wednesday and 57 footballs on Thursday. How many footballs are sold from Monday to Friday?

21. A and B represent digits in the addition shown below.

$$\begin{array}{r} 2\,A\,3 \\ +\;A\,4\,5 \\ \hline 9\,0\,B \end{array}$$

What is the value of $A \times B$?

22. Given that ■, ▼, ⬟ represent the counting numbers,

■ + ■ + ■ = 15

■ + ⬟ + ⬟ = 11

⬟ x ▼ x ▼ = 12

find the result of ■ + ▼ x ⬟ - ▼.

23. From the figure below, a small cube is placed in a row in a certain amount.

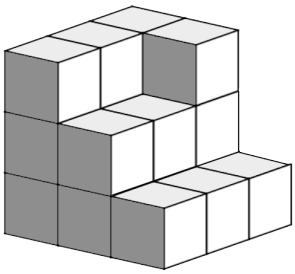


Figure 1

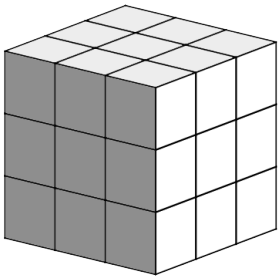


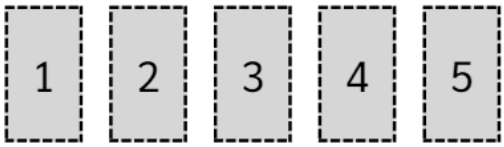
Figure 2

If a cube in Figure 1 is reformulated to be like in Figure 2 by filling the small cubes, how many small cubes are needed at least?

24. Given a series $1, 2, 3, ..., 500,$ how many numbers with two 3 adjacent are there?

    Example $33,133,332$ etc.

25. Given the card numbers shown below,



how many different ways can the card numbers be arranged to form a 3-digit number that is divisible by 4?

ANSWERS P.4

No.	Answer	No.	Answer
1	555	14	5
2	108	15	16
3	3	16	450
4	115	17	30
5	20	18	102
6	253	19	5
7	232	20	225
8	210	21	48
9	49	22	9
10	850	23	8
11	85	24	13
12	8	25	12
13	30		