1. Find the value of $23 - 18 + 39 - 22 + 37 + 11$. **(2.5 Marks)**

2. Find the value of $1 + 2 + 3 + 4 + 5 + 6 + 5 + 4 + 3 + 2 + 1$. **(2.5 Marks)**

3. The number 41 consists of the digits 4 and 1. The sum of these digits is $4 + 1 = 5$. What is the largest two-digit number, where the sum of its digits is 9? **(2.5 Marks)**

4. The sum of four consecutive natural numbers is 18. Find the smallest number of these numbers. **(2.5 Marks)**

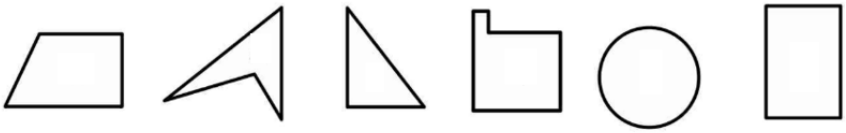
5. Kevin has 50 baht. He buys a pack of snacks for 15 baht; a carton of milk for 12 baht; and two bottles of orange juice for 8 baht each. How much money does Kevin have left? **(2.5 Marks)**

6. From the pattern $7, 8, 10, 13, \blacksquare, 22$, what is the value of $\blacksquare$?

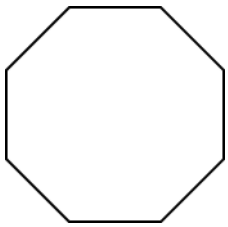
(2.5 Marks)

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7. From the diagram below, how many quadrilaterals are there? **(2.5 Marks)**



8. From the diagram below, how many axes of symmetry does a regular octagon have? **(2.5 Marks)**



9. The teacher assigns the students in Grade $2/1$ to form groups. If the students in Grade $2/1$ form into 5 groups with 6 students each, and there are 2 students without a group. How many students are there in total in Grade $2/1$? **(4.5 Marks)**

10. The sum of $18 + 12 + 15 +$ ☆ $+$ ☼ is an odd number. If ☆ and ☼ are distinct natural numbers, what is the minimum number of ☆ $+$ ☼? **(4.5 Marks)**

11. Kevin is 7 years older than Peter. If the sum of their age is 23 years, how old is Kevin? **(4.5 Marks)**

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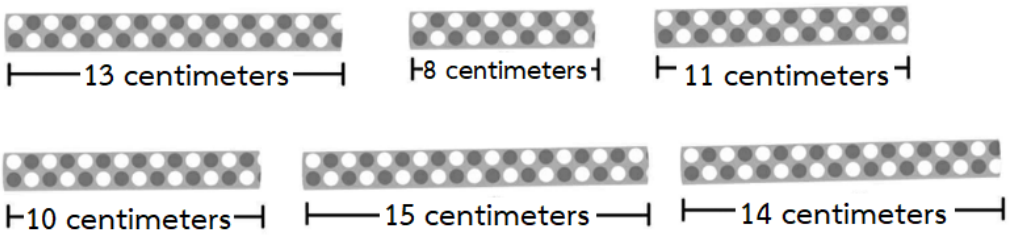
12. A shop sells various products at the following prices:

    - Iced Pink Milk: 500 ml bottle for 50 Baht
    - Plain Milk: 500 ml bottle for 40 Baht
    - Red Syrup: 500 ml bottle for 30 Baht

    Plain milk (500 ml) mixed with red syrup (500 ml) makes $1,000$ ml of iced pink milk. If Amy wants $2,500$ ml of iced pink milk, what is the minimum amount of money she needs to spend? **(4.5 Marks)**

13. Lucas is standing in a straight line to buy food. There are 7 people in front of him and 12 people behind him. The vendor takes 5 minutes to prepare food for each person. How many minutes at least does it take Lucas to get his food? **(4.5 Marks)**

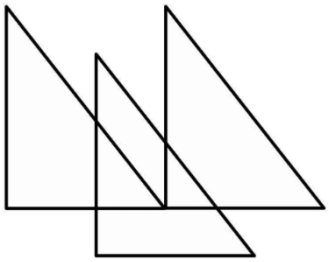
14. From the diagram, there are 6 wooden sticks of different sizes.



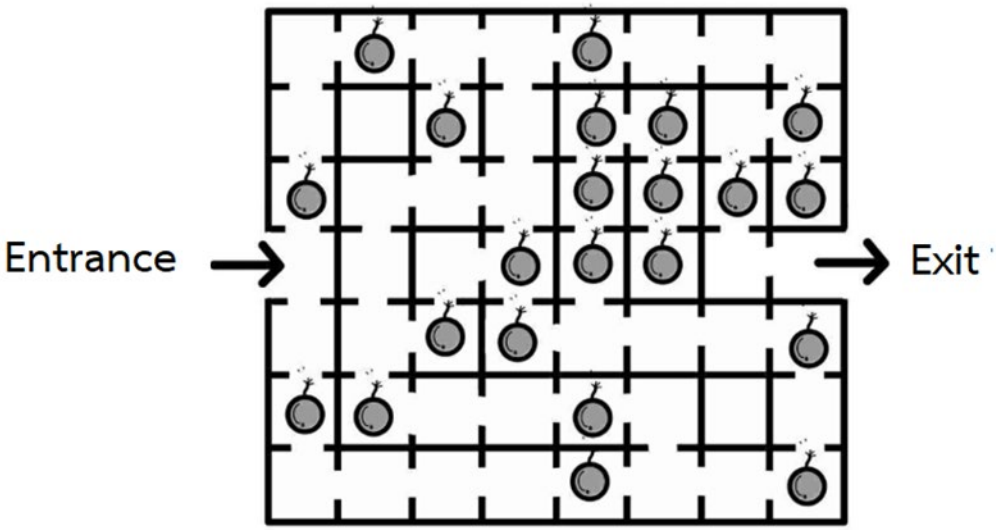
    If 3 sticks are chosen and arranged to be the longest possible length, what will be that length in centimeters? **(4.5 Marks)**

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15. From the diagram, how many quadrilaterals are there? **(4.5 Marks)**



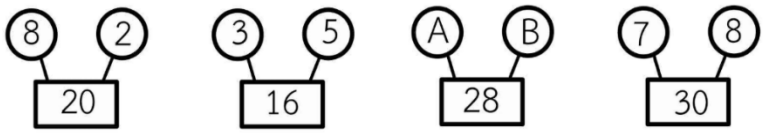
16. The game "Bomb Collection" has the following rules: A player must enter the game from the “Entrance (⟶)”, then walk along the path along the path shown in the plan to collect as many "Bombs (💣)" as possible and reach the "Exit (⟶)". Players are not allowed to retrace their steps (walk on the same path twice).



If playing this game one round, how many maximum bombs (💣) can be collected? **(6 Marks)**

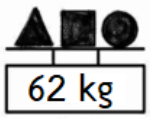
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17. Let A, B represent any natural numbers as shown in the diagrams below.

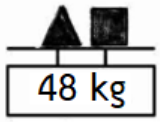


Find the maximum value of $A - B$. **(6 Marks)**

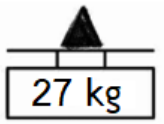
18. The concrete blocks ▲ ■ ● have different weights. If the concrete blocks are weighed as shown below:

First weighing: 

has a total weight of 62 kilograms.

Second weighing: 

has a total weight of 48 kilograms.

Third weighing: 

weights 27 kilograms.

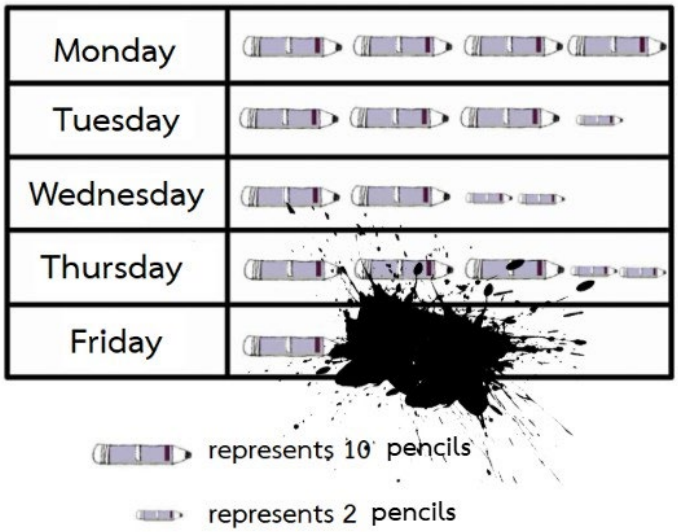
What is the total weight of 

? **(6 Marks)**

19. How many natural numbers from 20 to 90 have a sum of their unit digit and tenth digit that is less than 7? **(6 Marks)**

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20. The pictograph shows the number of pencils Kevin sold in 5 days.



If Kevin sold a total of 142 pencils in 5 days, how many small pencils does Kevin have to draw on Friday? **(6 Marks)**

21. From the figure below,

$$\begin{array}{r} 1\ 2 \\ +\ 4\ 9 \\ \hline \square\triangle \end{array}$$

find the value of $\square + \square + \square + \square - \triangle$. **(2.5 Marks)**

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22. From the pattern

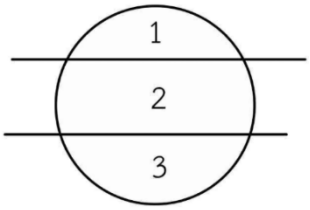
☆□□○☆☆□□○☆☆□□○☆☆□...,

if 36 figures are drawn according to this pattern, how many ☆ will there be in total? **(4.5 Marks)**

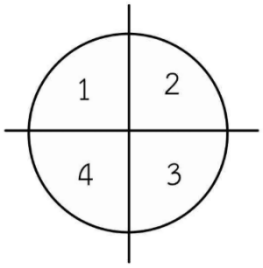
23. Kevin can divide a circle into different patterns using two straight lines.

For example,

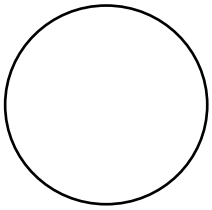
Pattern 1: The circle is divided into 3 parts;



Pattern 2: The circle is divided into 4 parts.

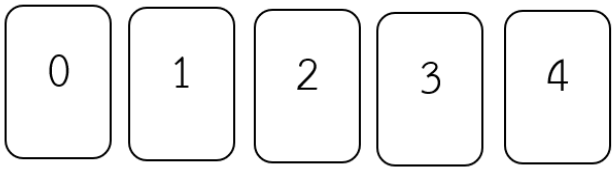


Based on the information above, what is the maximum number of parts that Kevin divides a circle by using four straight lines? **(4.5 Marks)**



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24. Kevin has five cards numbered 0 to 4 as shown below.



If two number cards are selected and arranged to form a two-digit number greater than 20, how many different two-digit numbers can be created?

(2.5 Marks)

25. There are 4 students. A teacher wants to choose 2 students to help carry things.



How many ways can a teacher choose students? **(4.5 Marks)**

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GRADE 2 ANSWER KEY

No.	Answer	No.	Answer
1	70	14	42
2	36	15	6
3	90	16	12
4	3	17	12
5	7	18	56
6	17	19	15
7	3	20	1
8	8	21	23
9	32	22	15
10	4	23	11
11	15	24	11
12	190	25	6
13	40		

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