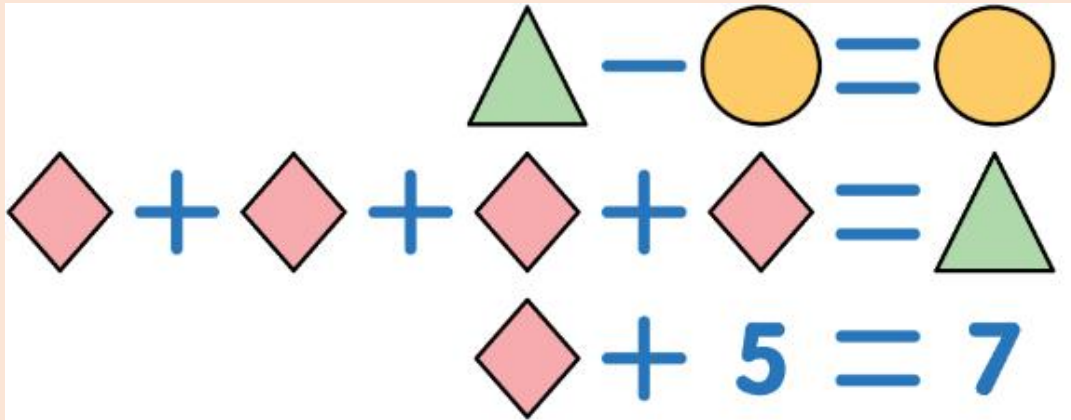


Primary 1

2026 Spring Cup

Detailed Solution

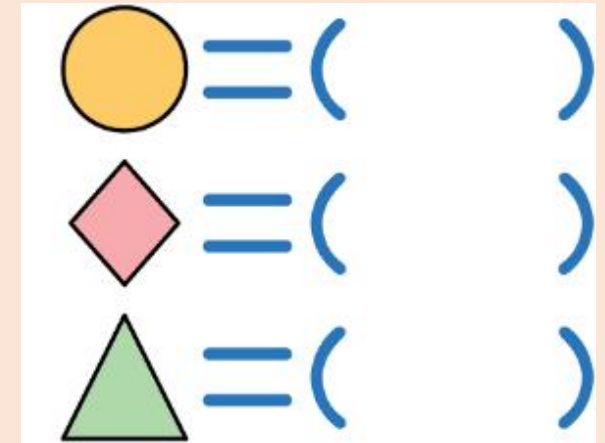
Q1. The same shape represents the same number. Fill the blanks.


$$\begin{array}{l} \triangle - \bigcirc = \bigcirc \\ \diamond + \diamond + \diamond + \diamond = \triangle \\ \diamond + 5 = 7 \end{array}$$

$$\diamond : 7 - 5 = 2$$

$$\triangle : 2 + 2 + 2 + 2 = 8$$

$$\bigcirc : 8 - \bigcirc \leftarrow 8 - 4 = 4$$

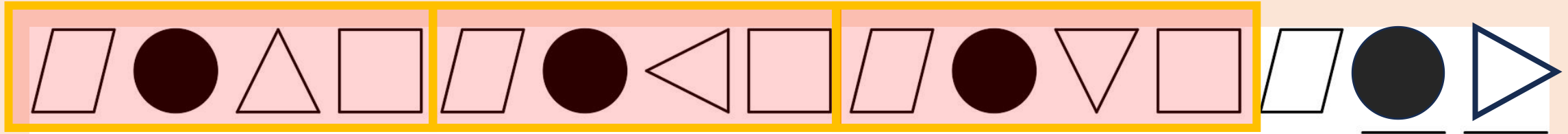
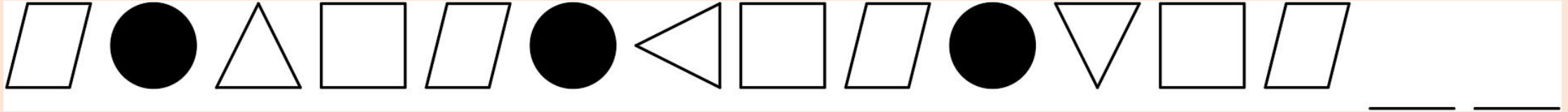

$$\begin{array}{l} \bigcirc = (\quad) \\ \diamond = (\quad) \\ \triangle = (\quad) \end{array}$$

$$\diamond = (2)$$

$$\triangle = (8)$$

$$\bigcirc = (4)$$

Q2. According to the pattern, draw the figure in the blank space.



Pointing Up

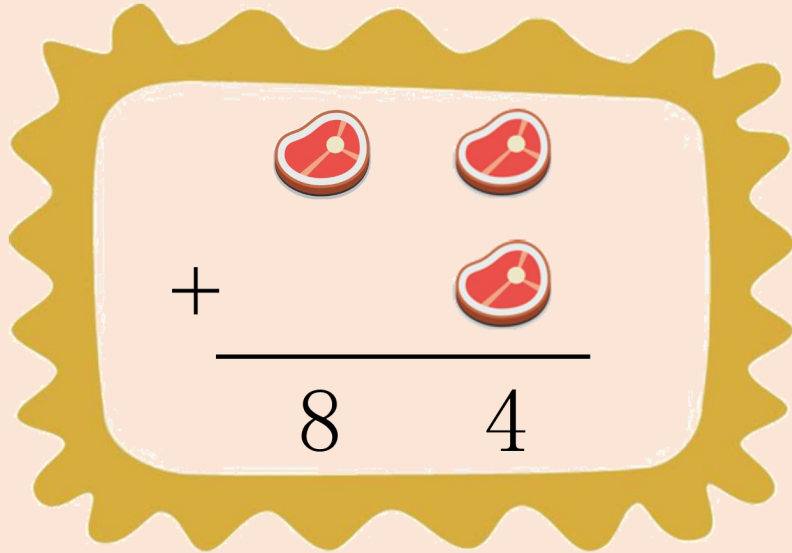


Pointing Left



Pointing Down

Q3. The same shape represents the same number.

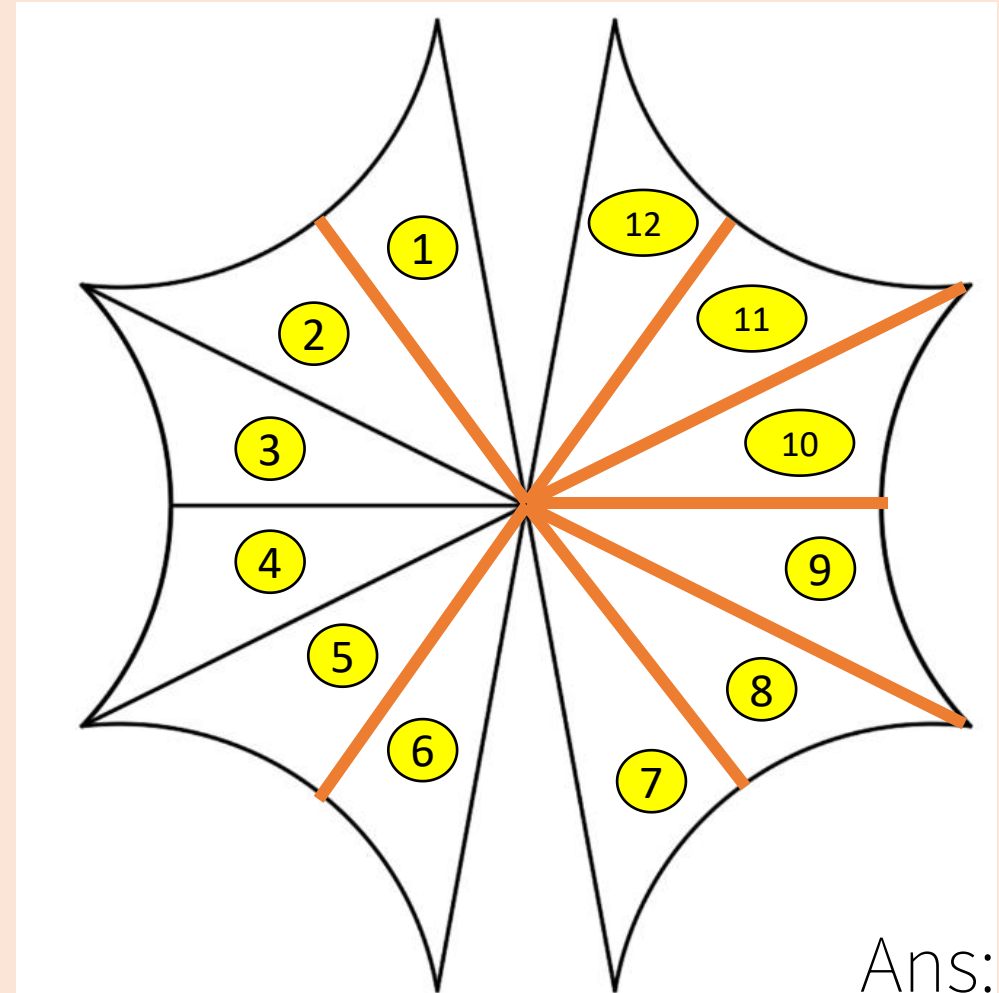
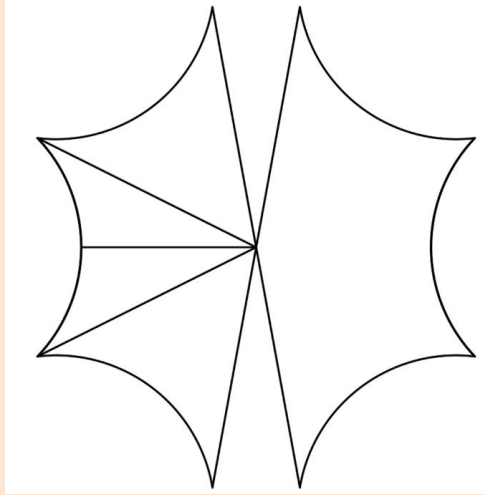
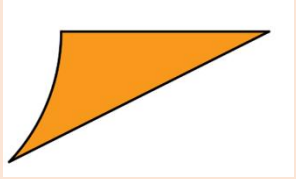


$$\begin{array}{r} 1 \\ 7 \quad 7 \\ + \quad 7 \\ \hline 8 \quad 4 \end{array}$$

 = _____ .

Ans: 7

Q4. To make the figure below, how many orange figures are needed?



Ans: 12

Q5. Each pair of children shakes hands once, but the child wearing glasses does not shake hands with the other child wearing glasses. How many times do they shake hands in total?

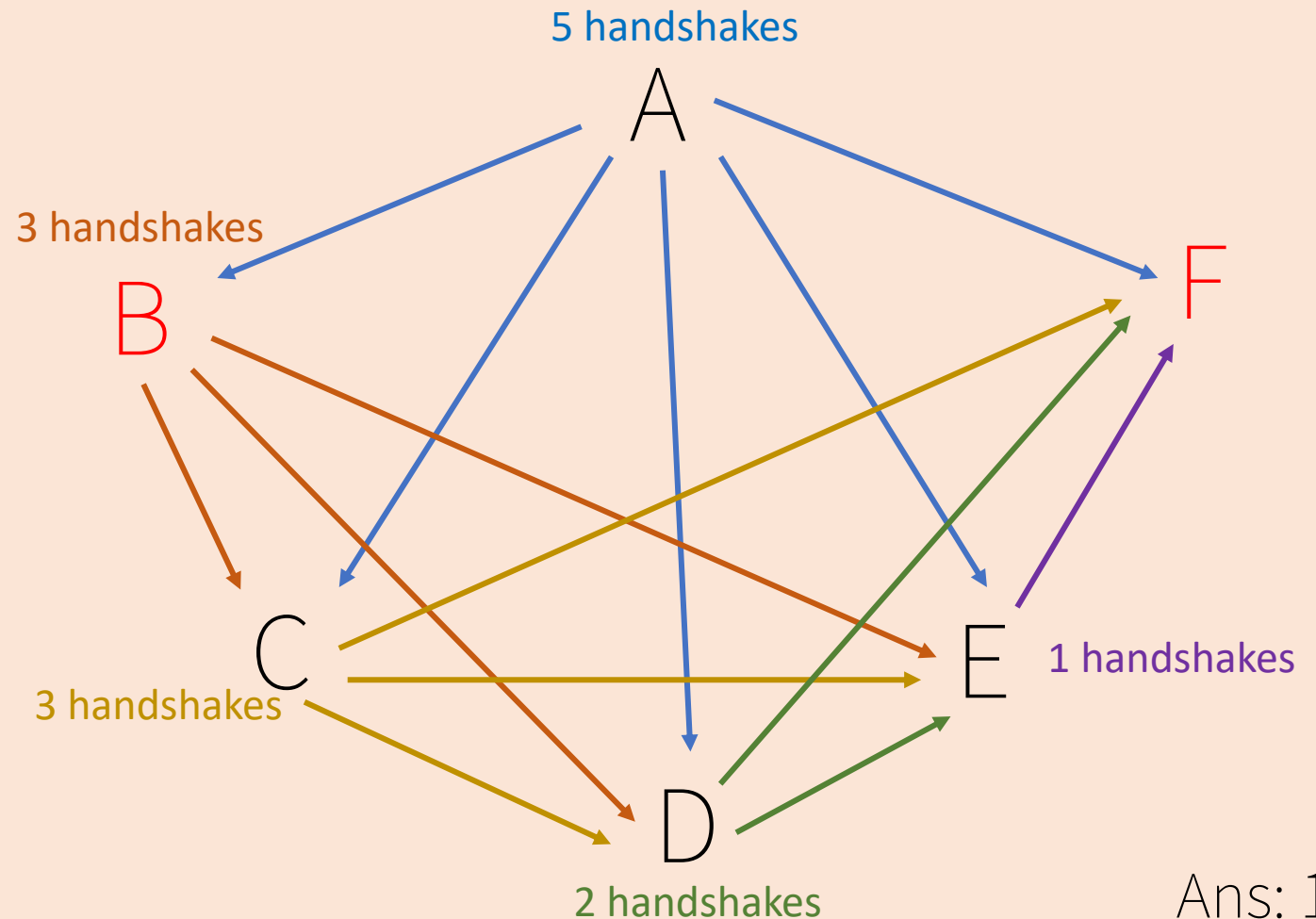


A B C D E F

B is wearing glasses

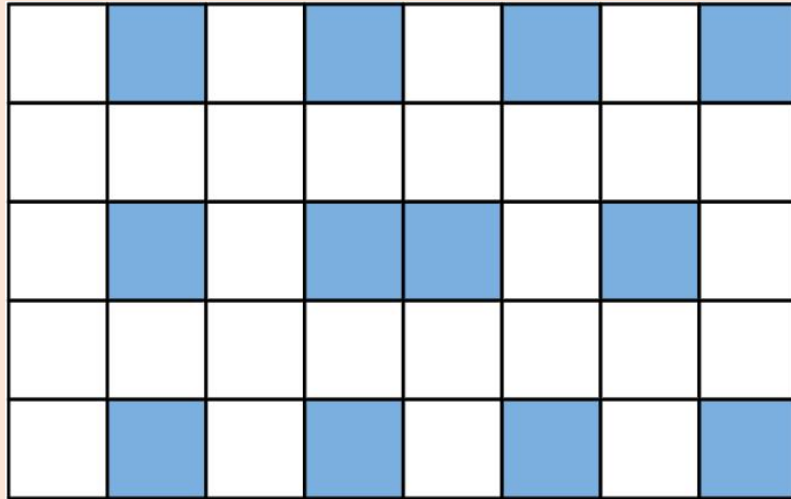
E is wearing glasses

Total handshakes:
 $5 + 3 + 3 + 2 + 1 = 14$



Ans: 14

Q6. How many  are there in the picture?



Counting in order:

 : total = 8

 : total = 4

$$8 + 4 = 12$$

Ans: 12

Q7. Bunny goes from the 1st floor to the 5th floor. There are 9 steps between every 2 floors. Bunny starts with her right foot: first step right foot, second step left foot, third step right foot, and so on. When she reaches the last step, which foot does she use — her left foot or her right foot?

Between 5 floors, there are 4 intervals

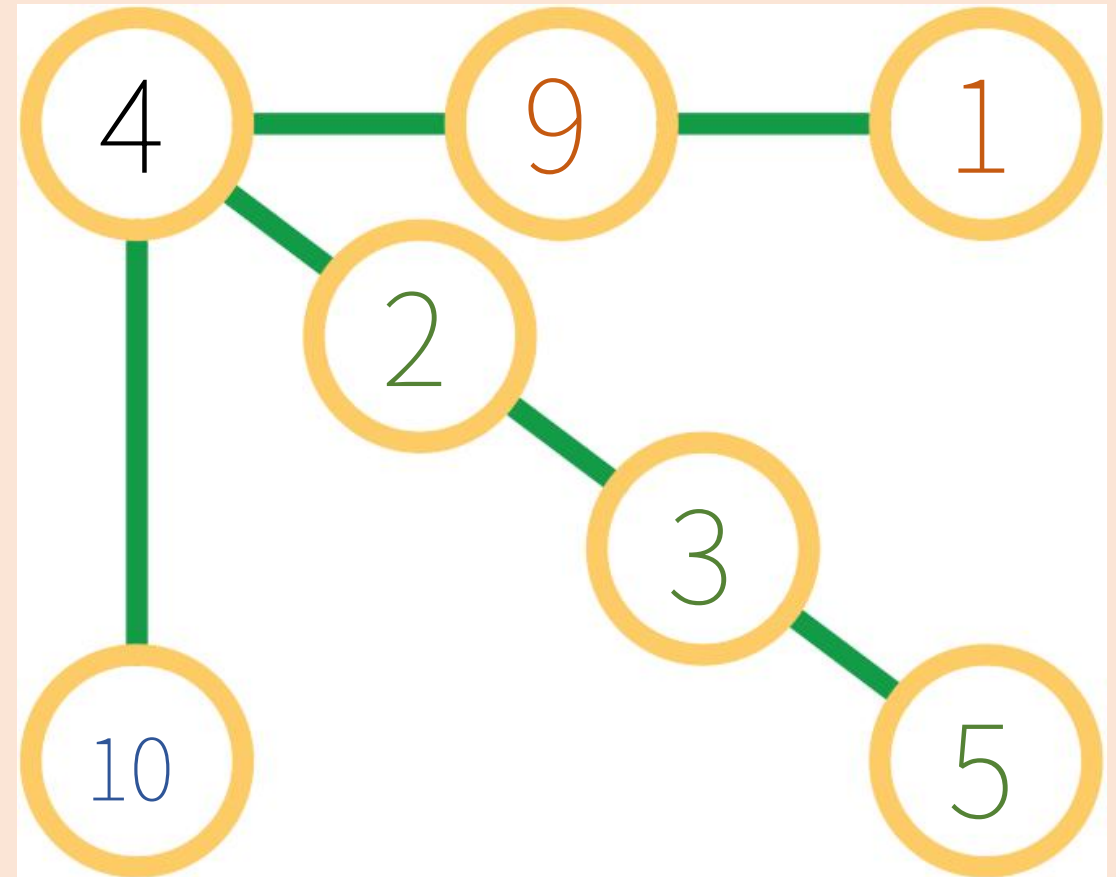
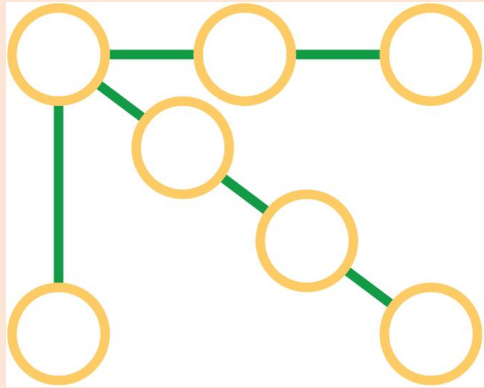


Total number of steps: $9 \times 4 = 36$

Right	Left
1	2
3	4
5	6
... (Odd Numbers)	...(Even Numbers)
35	36

Ans: Left

8. Please place the numbers 1, 2, 3, 4, 5, 9, and 10 into the circles in the diagram below so that the sum of the numbers on each straight line equals 14.



Note: Same colors indicate the numbers can be swapped with each other.

9. Swap exactly 4 cards so that the sum of the 4 numbers in each group is 15. Write down the numbers in each group after the swap.

1	2	4	5	1	2	4	6
1	3	7	9	1	2	4	8

Step 1: Finding the total of each group.

$A=12$	1	2	4	5	1	2	4	6	$B=13$
$C=20$	1	3	7	9	1	2	4	8	$D=15$

The final group with sum 15, don't need change

Step 2: Swapping cards from A and B

$A=15$	4	2	4	5	1	2	1	6	$B=10$
$C=20$	1	3	7	9	1	2	4	8	$D=15$

Step 3: Swapping cards from B and C

$A=15$	4	2	4	5	1	7	1	6	$B=15$
$C=15$	1	3	2	9	1	2	4	8	$D=15$

10. According to the pattern, how many small cubes should there be in the 6th figure?

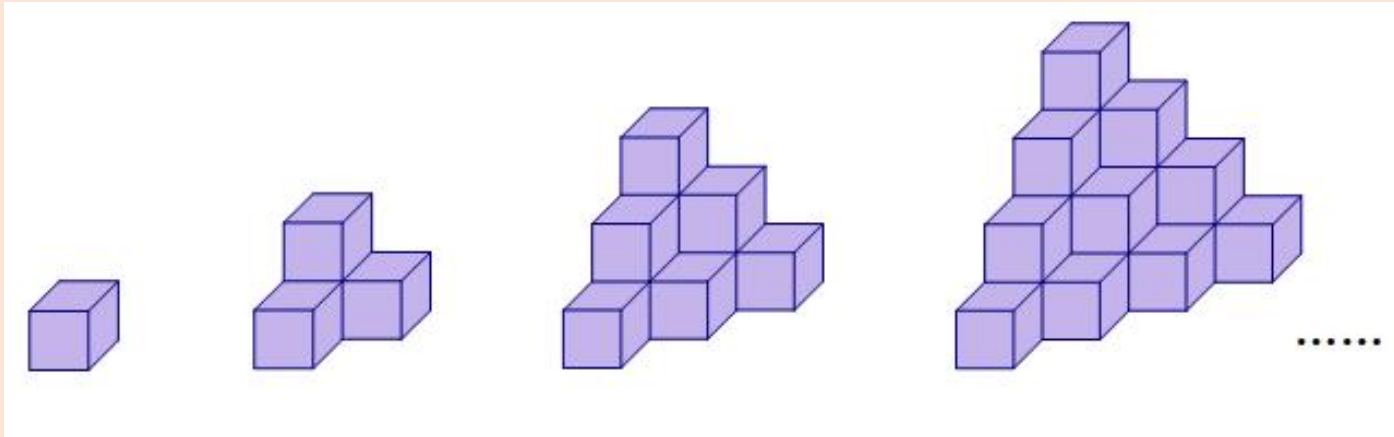


Figure:

①

②

③

④

⑤

Cubes:

①

①

+

2

+

1

=

4

④

+

3

+

2

+

1

=

10

⑩

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11. Both the animal's penguin and the fox like to lie.

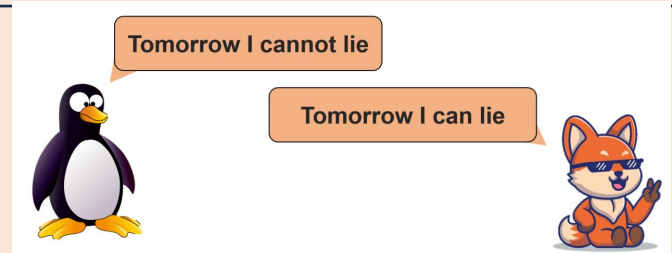
Whenever they can lie, they will definitely lie.

The king therefore set a rule:

**The penguin can lie only on Wednesdays, Thursdays, and Fridays;
while the fox can lie only on Fridays, Saturdays, and Sundays.**

One day, a penguin met a fox.

On which day of the week did they meet?



We match the statements one by one to see if they satisfy or not:

	Mon	Tue	Wed	Thurs	Fri	Sat	Sun
	Satisfies	Doesn't satisfy	Satisfy	Satisfy	Doesn't Satisfy	Satisfy	Satisfy
	Doesn't satisfy	Doesn't satisfy	Doesn't Satisfy	Satisfy	Doesn't satisfy	Doesn't Satisfy	Satisfy

From the above table, Thursday and Sunday satisfies the statements

Ans: Thursday and Sunday