

LESSON 1. LOGICAL THINKING / TƯ DUY LOGIC

A. PATTERN PROBLEM / DẠNG TOÁN QUY LUẬT

* *Number pattern / Dãy số*

Exercise 1. According to the pattern shown below, what is the number in the blank?

Pattern: Quy luật; Blank: chỗ trống.

38 、 35 、 30 、 23 、 14 、 ___

Exercise 2. According to the pattern below, find the next term in the sequence.

Pattern: Quy luật; Next term: Số hạng tiếp theo; Sequence: Dãy số.

2 、 5 、 10 、 17 、 26 、 37 、 ...

Exercise 3. Refer to the number pattern below. Find the 7th term in the sequence.

Pattern: Quy luật; 7th term: Số hạng thứ 7; Sequence: Dãy số.

1 、 4 、 9 、 16 、 ___ 、

* *Table pattern / Quy luật bảng*

Exercise 4. What is the value of the number to represent “?” in the following table?

Value: Giá trị; Represent: Biểu diễn; Table: Bảng.

1	3	5	20
2	4	7	42
3	5	9	72
4	6	11	?

Exercise 5. What is the value of the number to represent “?” in the following table?

Value: Giá trị; Represent: Biểu diễn; Table: Bảng.

3	4	1	7
5	6	2	17
7	8	3	31
9	10	4	?

*** Figure pattern / Dãy hình**

Exercise 6. According to the pattern shown below, how many suns are there from the 1st to the 129th symbol counting from the left?

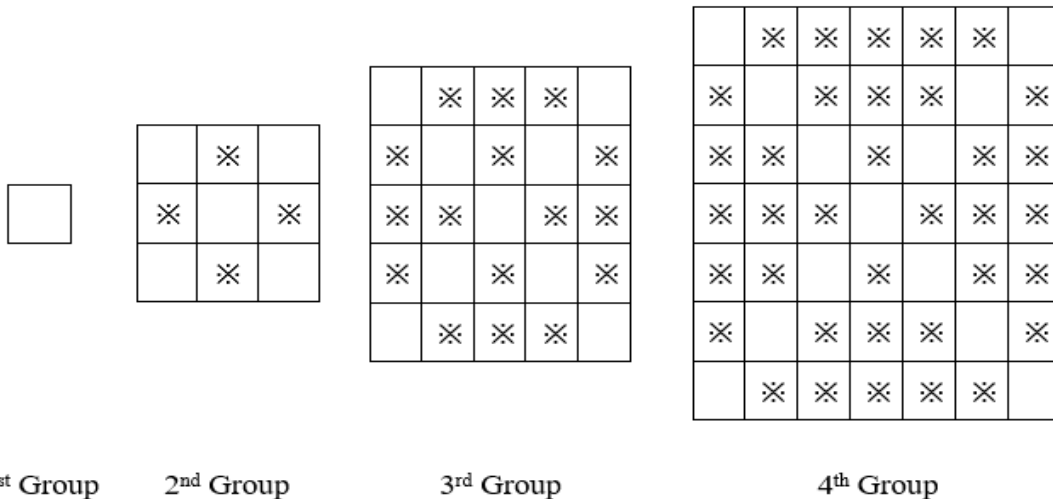
Pattern: Quy luật; Suns: Hình mặt trời; From the 1st to the 129th symbol: Từ hình thứ 1 đến hình thứ 129; From the left: tính từ bên trái.



*** Group pattern / Dãy nhóm hình**

Exercise 7. According to the pattern below, how many ✖ are there in the next group?

Pattern: Quy luật.



B. AGE PROBLEM / DẠNG TOÁN TÍNH TUỔI

Exercise 8. The age of Sam 9 years ago is equal to the age of Peter 3 years later. Given Sam is 30 years old now, how old is Peter now?

Ago: Trước; Later: Sau; Equal: Bằng; Now: Hiện tại.

Exercise 9. Andy's grandfather's age this year minus 2, is divided by 4, adds 7 and is multiplied by 5. The result will be 155 years old. How old is Andy's grandfather this year?

Minus: Trừ; Divide: Chia; Add: Cộng; Multiply: Nhân; Result: Kết quả.

C. DATE PROBLEM / DẠNG TOÁN THỨ, NGÀY, THÁNG

Exercise 10. Yesterday was Friday. Which day of the week was 38 days ago?

Yesterday: Hôm qua; Friday: Thứ Sáu; Ago: Trước.

Exercise 11. 26th October, 2021 is Wednesday. Which day of the week will 29th December, 2021 be?

October: Tháng Mười; Wednesday: Thứ Tư; December: Tháng Mười hai.

HOMEWORK

Exercise 12. According to the pattern shown below, what is the number in the blank?

Pattern: Quy luật; The blank: Chỗ trống.

7, 21, 36, 52, ___

Exercise 13. What is the value of the number to represent “?” in the following sequence?

Value: Giá trị; Represent: Biểu diễn; Sequence: Dãy số.

2, 3, 5, 9, 17, 33, ?, 129, ...

Exercise 14. Refer to the number pattern below. Find the 6th term in the sequence.

Pattern: Quy luật; 6th term: Số hạng thứ 6; Sequence: Dãy số.

1, 8, 27, 64, __,

Exercise 15. What is the 6th number in the sequence with pattern below?

Pattern: Quy luật; 6th term: Số hạng thứ 6; Sequence: Dãy số.

1, 2, 5, 14, 41, ...

Exercise 16. Four tables below have number filled according to the same pattern but some cells are being covered. Which number is being covered at the position of symbol “x”?

Same pattern: Cùng một quy luật; Cells: Ô; Covered: Bị che khuất; Position: Vị trí

1	2
4	3

1		3
	9	
7		5

1			4
	13	14	
	16	15	
10			7

1				5
	17		19	
	x	25		
	23		21	
13				9

Exercise 17. Find the missing number in the table below.

Missing number: Số còn thiếu.

2	5	1	11
3	6	2	20
4	7	3	31
5	8	4	?

Exercise 18. According to the pattern shown below, how many triangle(s) is / are there from the 1st to the 300th symbol counting from the left?

Pattern: Quy luật; Triangles: Hình tam giác; Symbol: Hình;

Counting from the left: Đếm từ phía bên trái.

○ ○ △ ○ □ △ □ ○ ○ △ ○ □ △ □ ...

Exercise 19. According to the pattern shown below, how many triangle(s) is / are there from the 1st to the 67th figure counting from the left?

Pattern: Quy luật; Triangles: Tam giác; Figure: Hình vẽ; Counting from the left: Tính từ phía bên trái.

○ △ □ △ ○ △ □ △ ○ ...

Exercise 20. The age of Samuel 4 years ago is equal to the age of Joseph 5 years ago. Given Samuel is 32 years old now, how old is Joseph now?

Ago: Trước; Equal: Bằng; Now: Hiện tại.

Exercise 21. Now, the sum of father's and mother's ages is 93. If the age of father 3 years ago was the same as the age of mother 8 years later, how old is father now?

Sum: Tổng; Ago: Trước; Later: Sau; The same as: Bằng với; Now: Hiện tại.

Exercise 22. Today is Saturday. Which day of the week was 101 days ago?

Saturday: Thứ Bảy; Ago: Trước.

Exercise 23. It requires 12 minutes to cut a piece of wood into 5 sections. If the time required to cut into each section is the same, how many minutes are required to cut into 23 sections?

Require: Cần; Sections: Phần; The same: Giống nhau.
