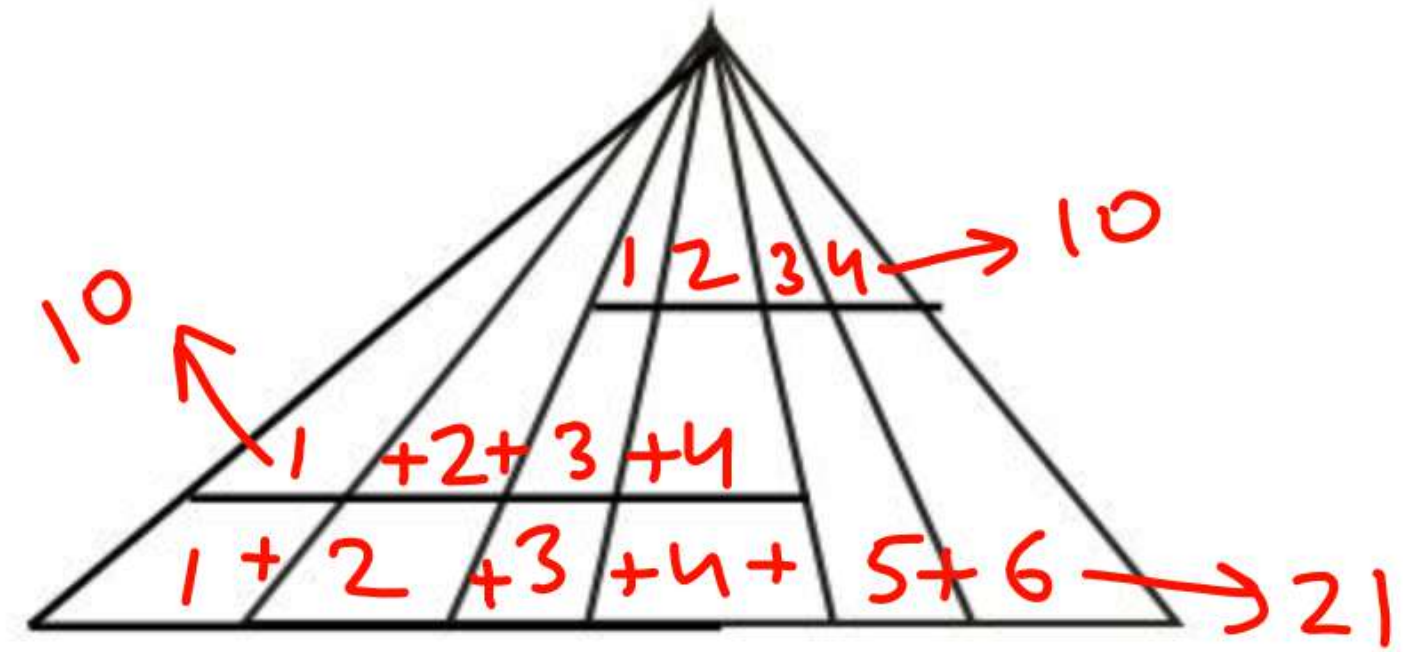
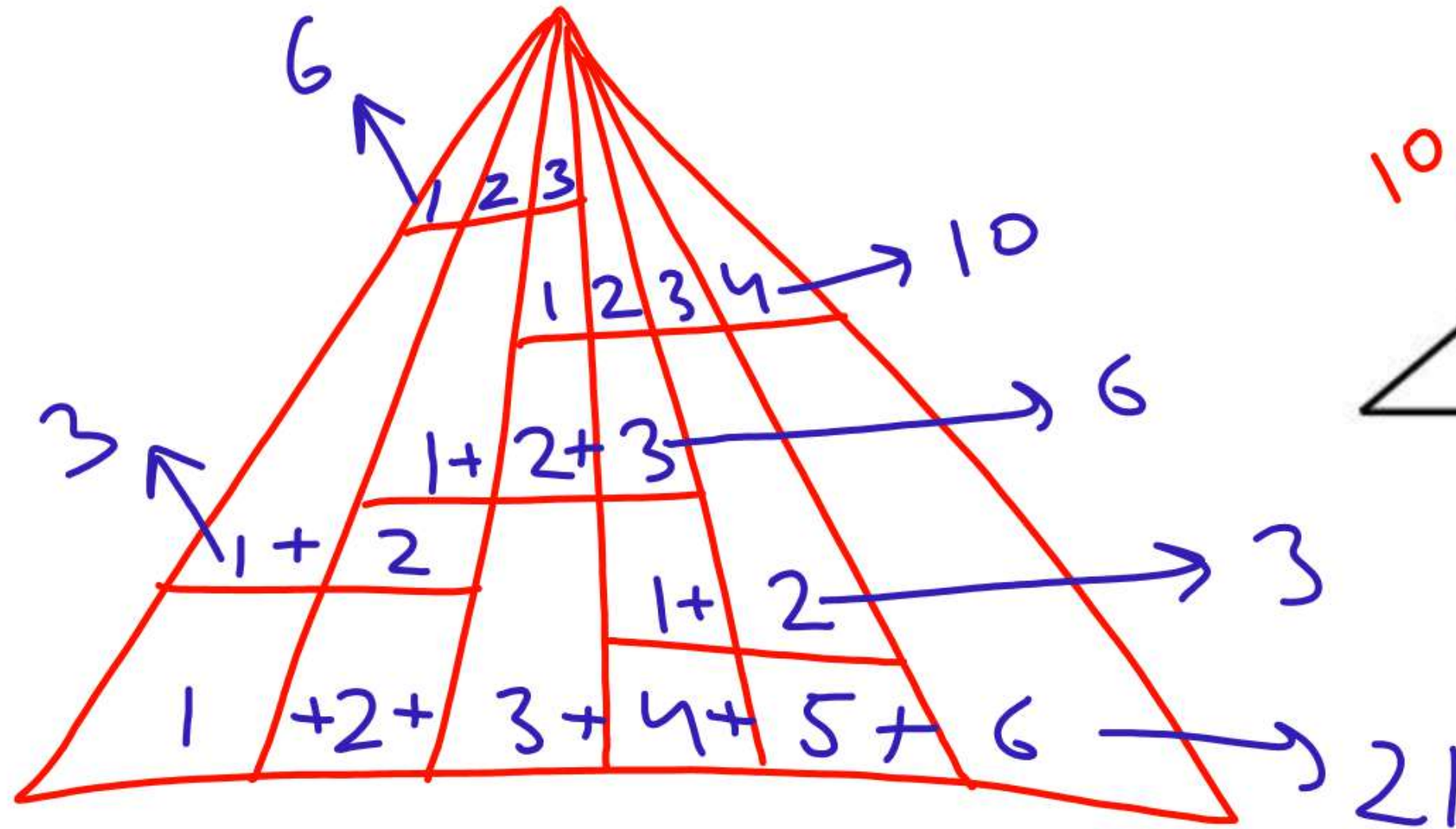


$$\frac{n(n+1)}{2}$$

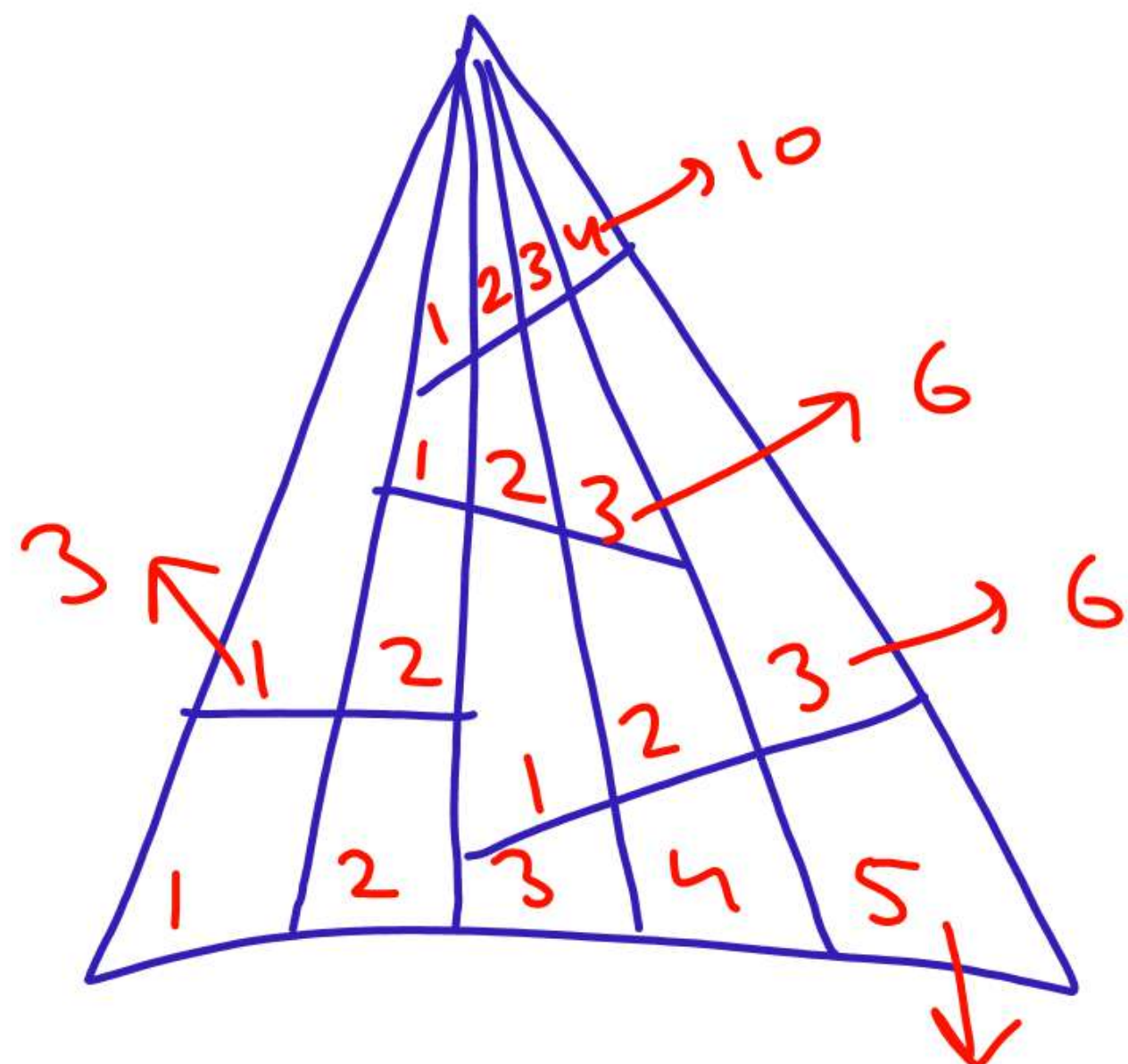
$$\frac{5 \times 6}{2} = 15$$

$$15 \times 3 = 45$$

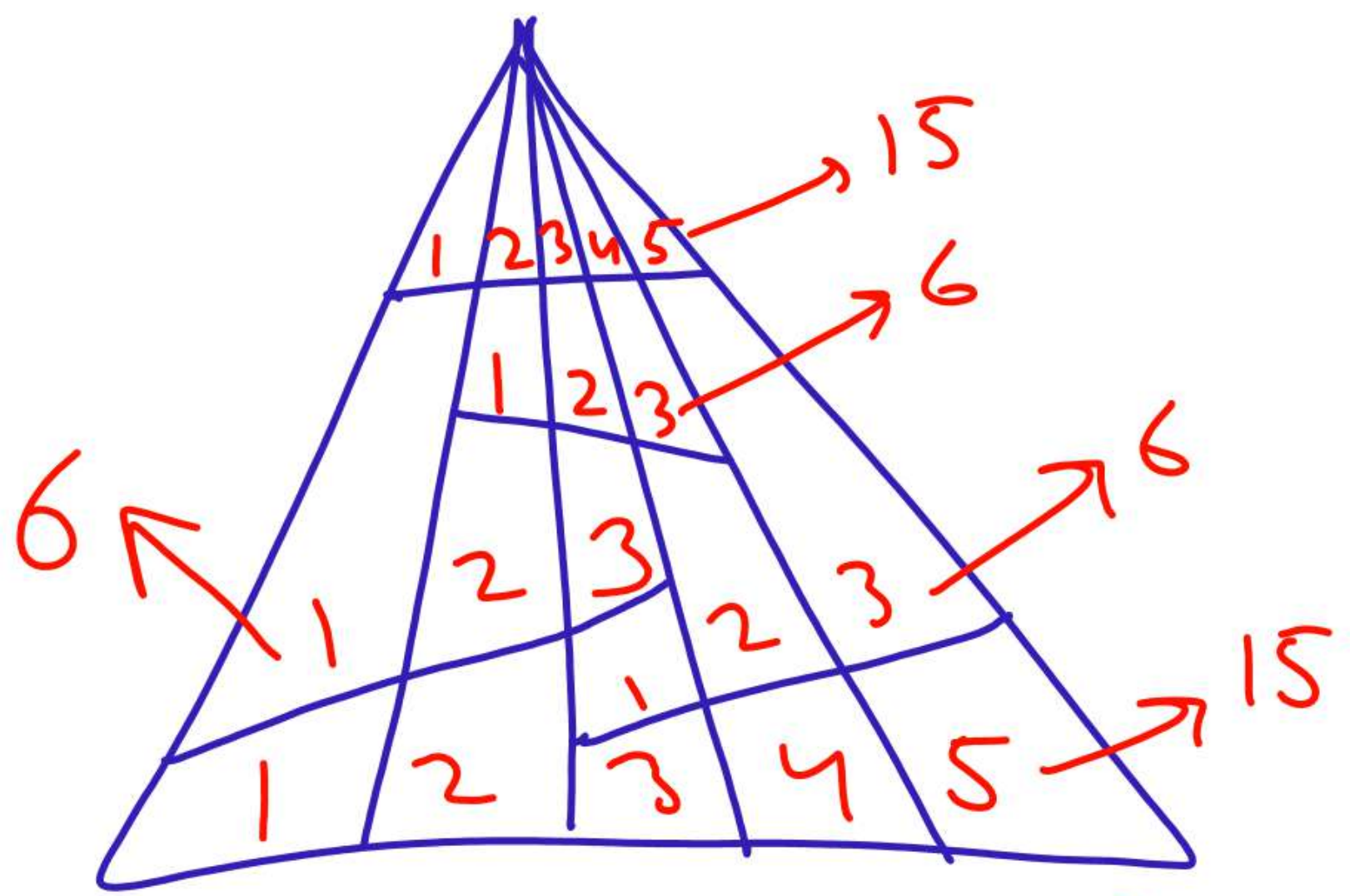


$$21 + 10 + 10 = \underline{41}$$

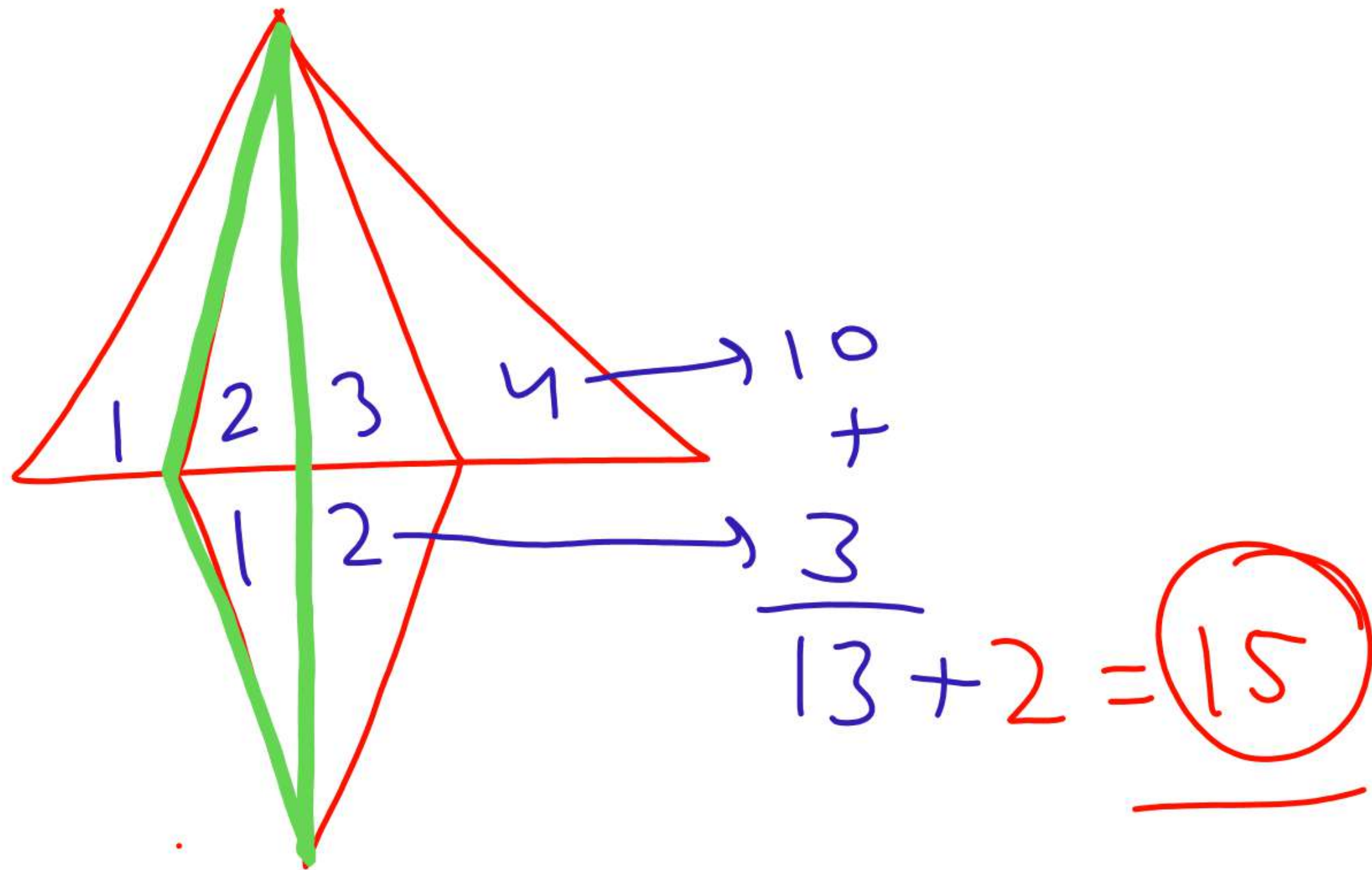
$$\underline{21} + \underline{3} + \underline{6} + \underline{10} + \underline{6} + \underline{3} = \underline{49}$$

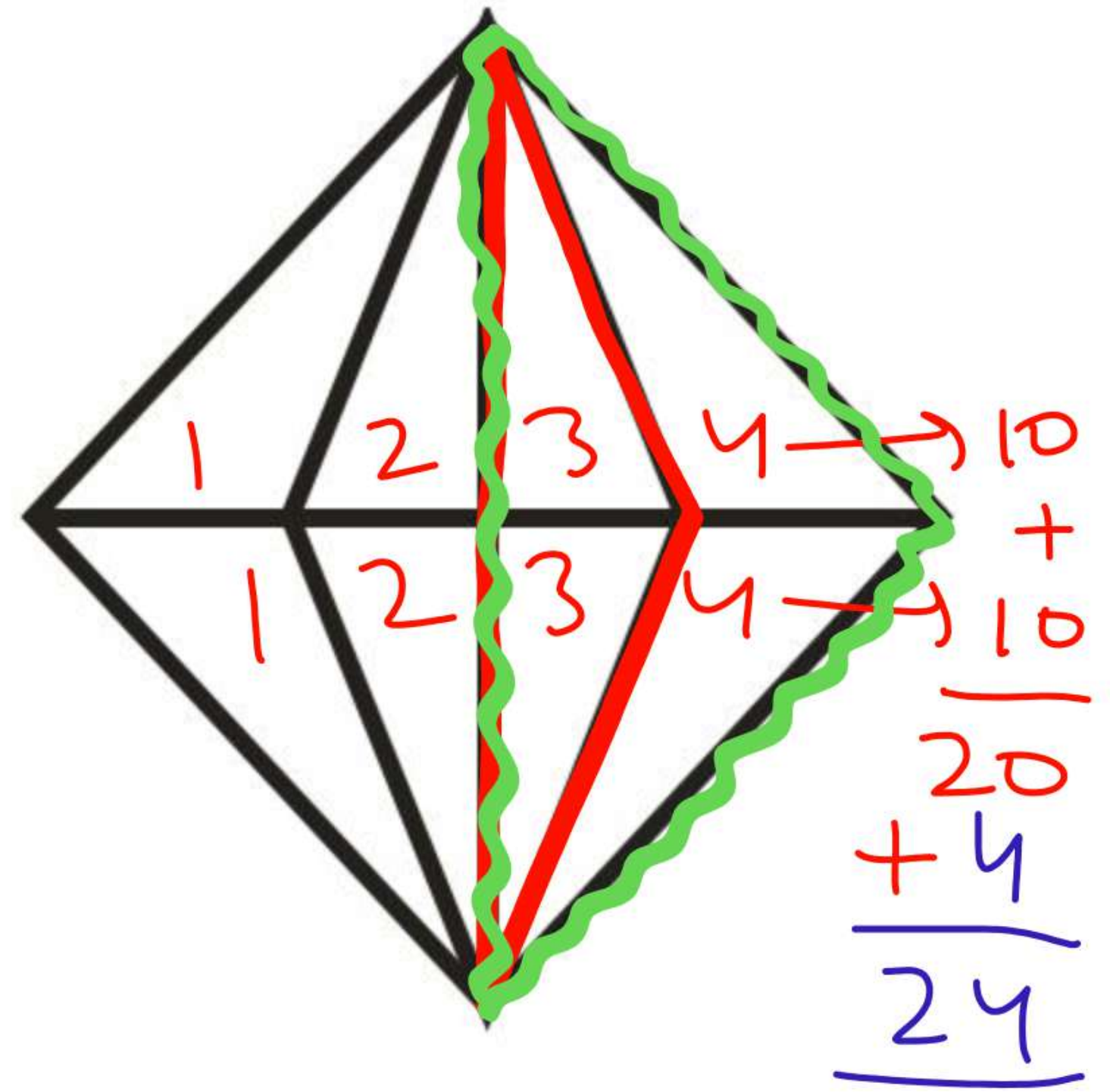


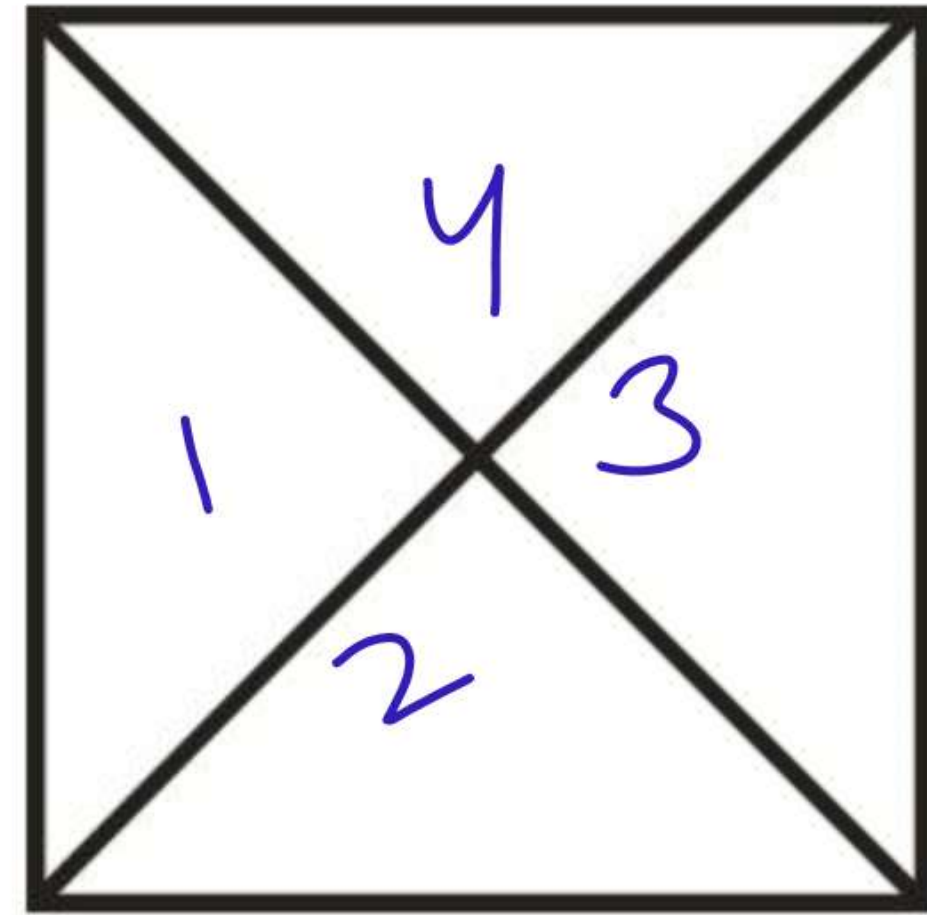
$$15 + 6 + 6 + 10 + 3 = \textcircled{40}$$



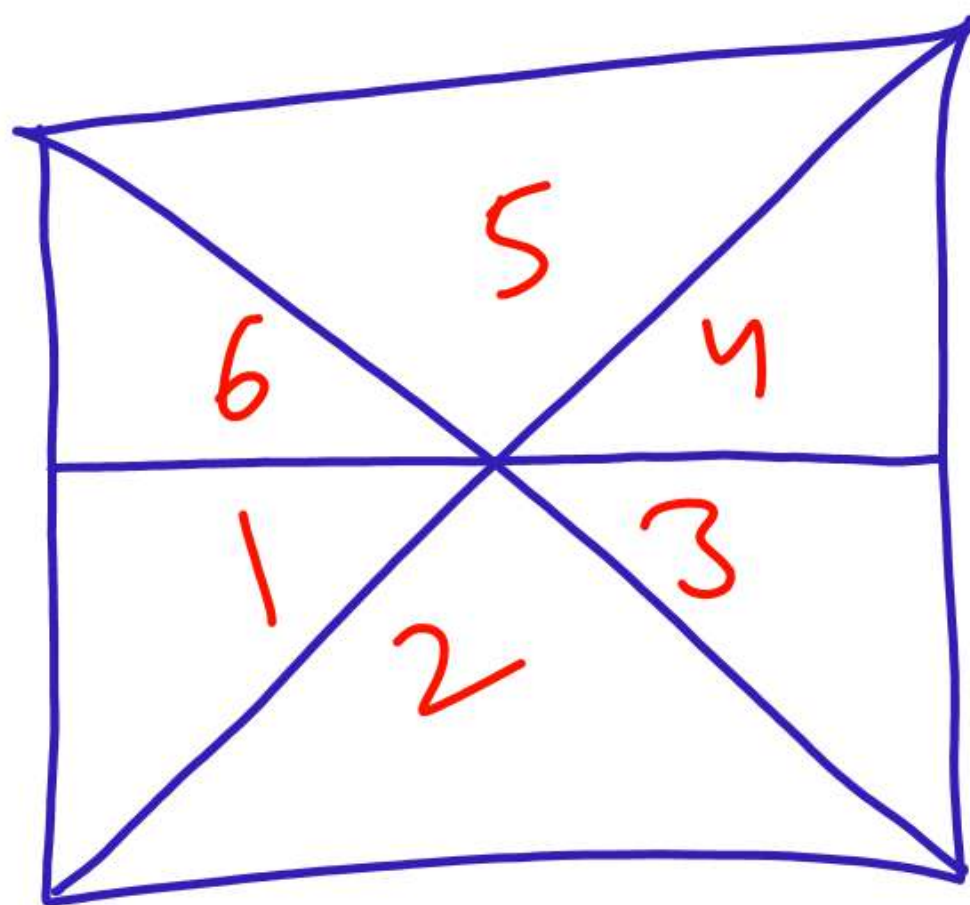
$$15 + 6 + 6 + 15 + 6 = \textcircled{48}$$



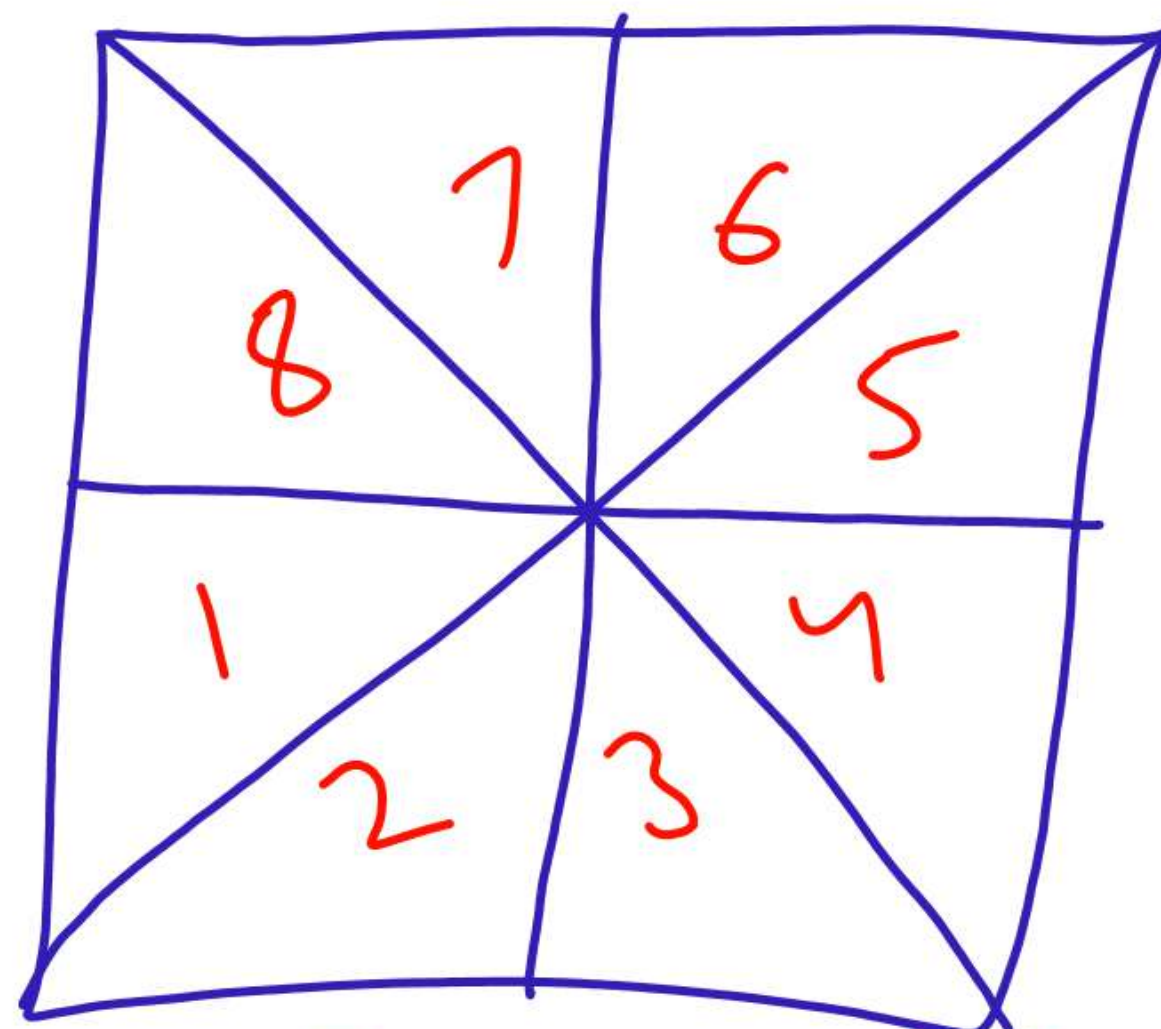




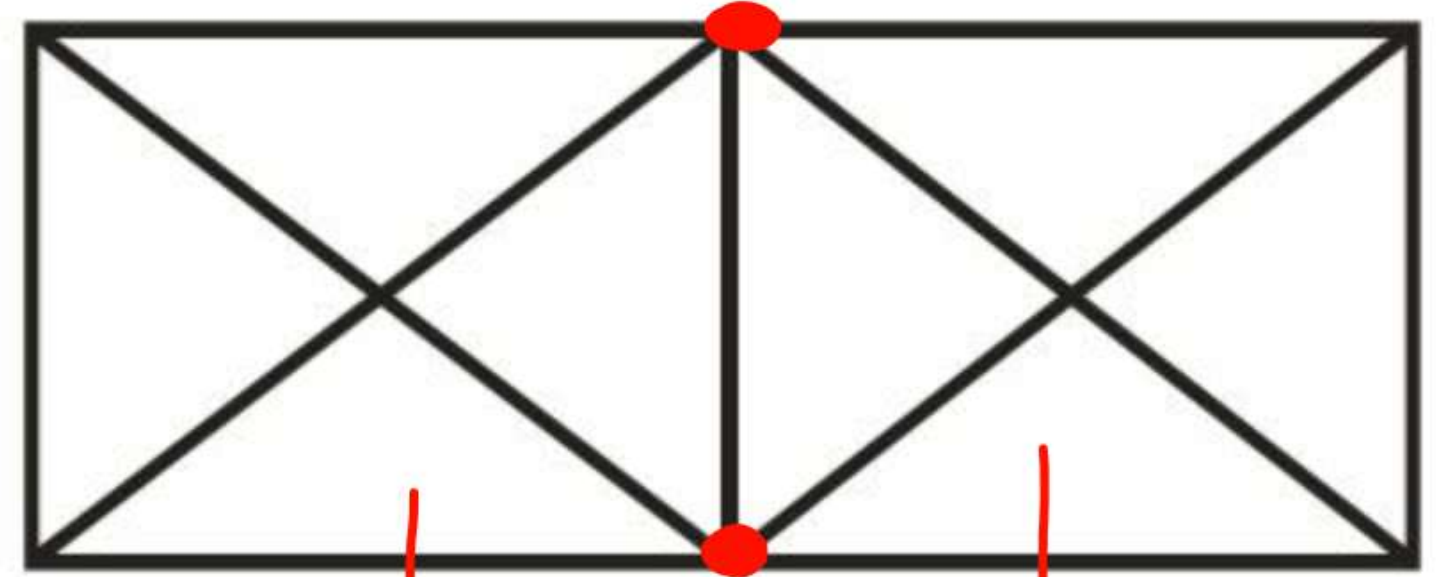
$$4 \times 2 = 8$$



$$6 \times 2 = 12$$

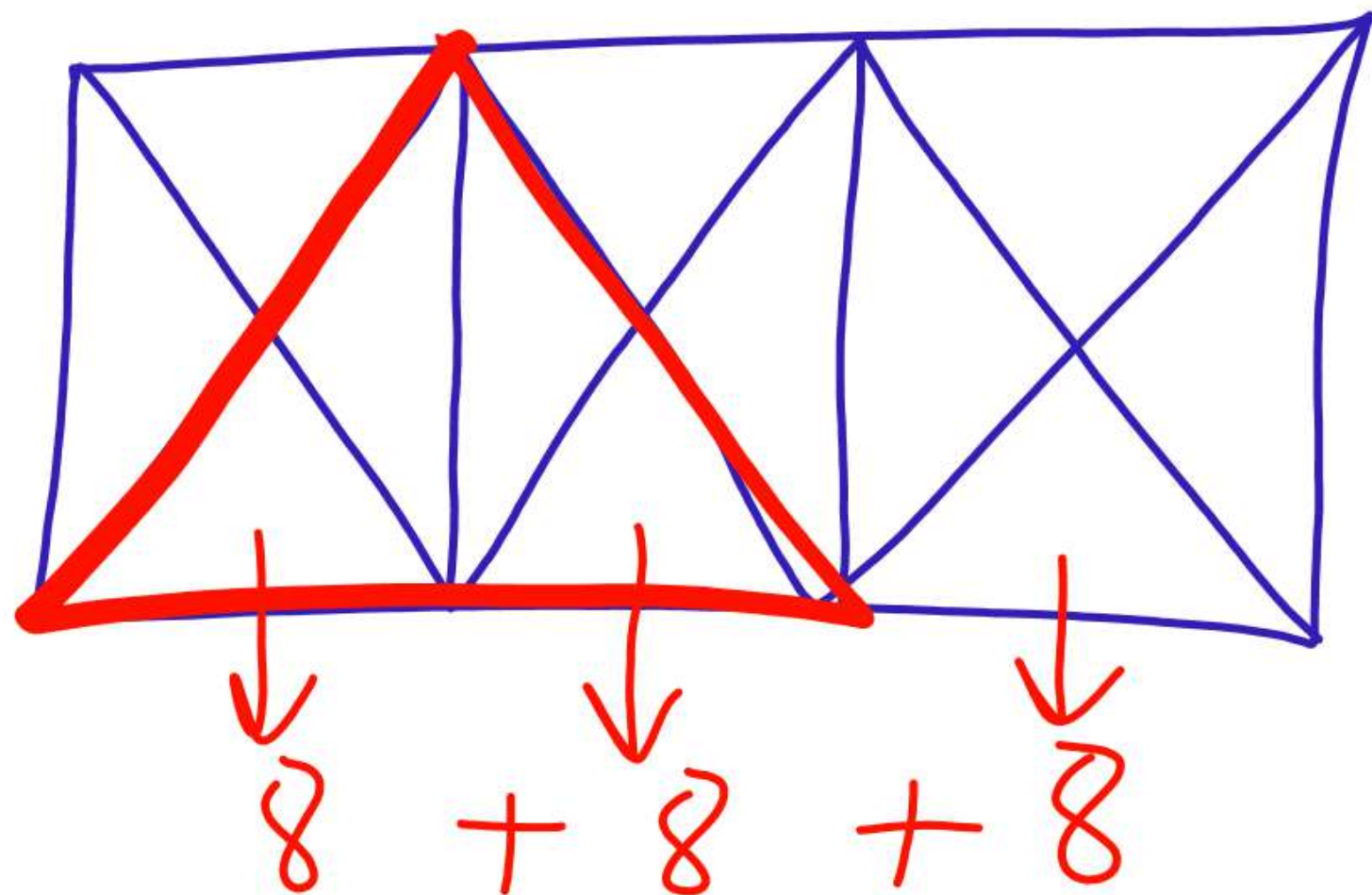


$$8 \times 2 = \underline{16}$$

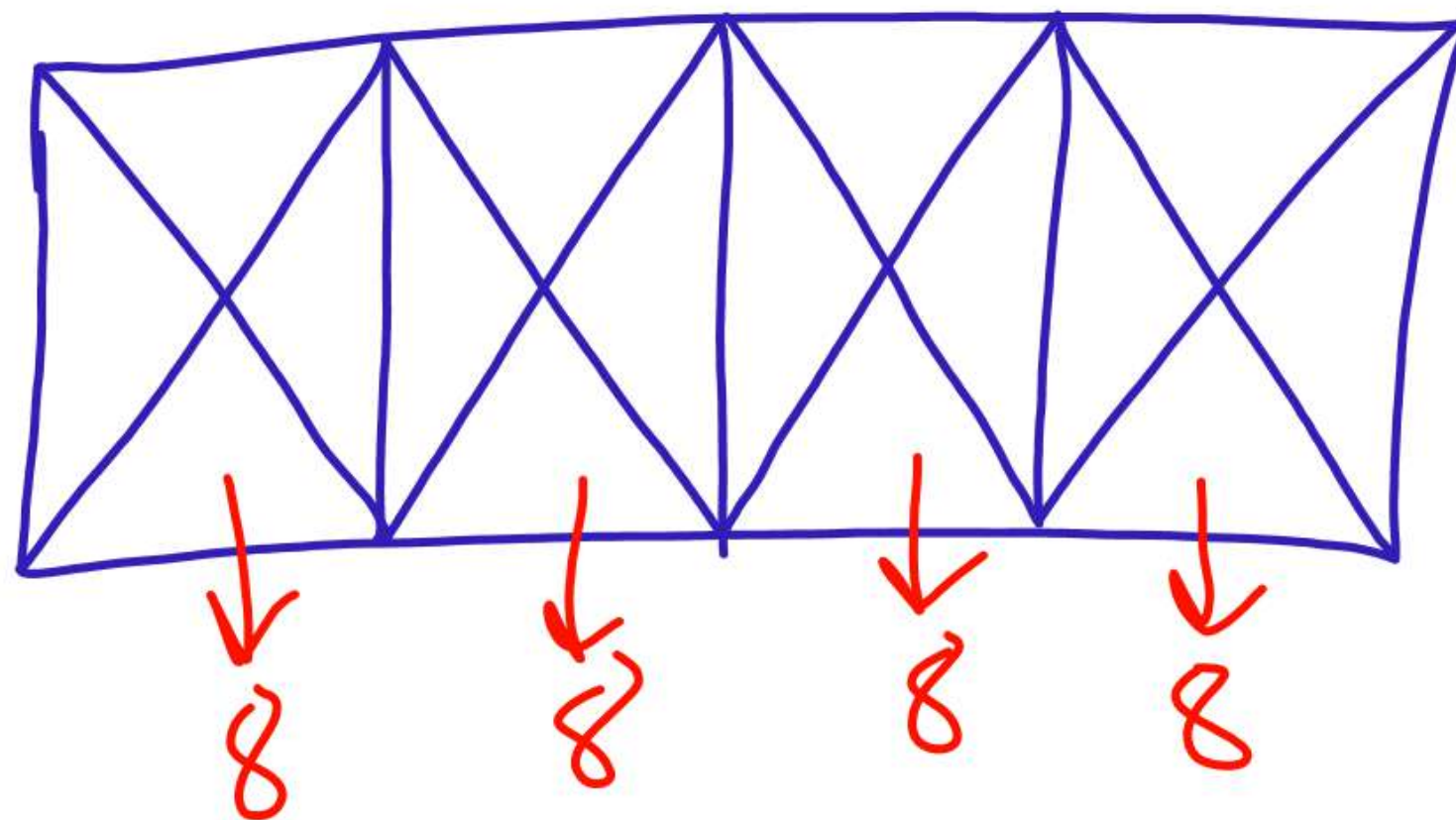


$$8 + 8$$

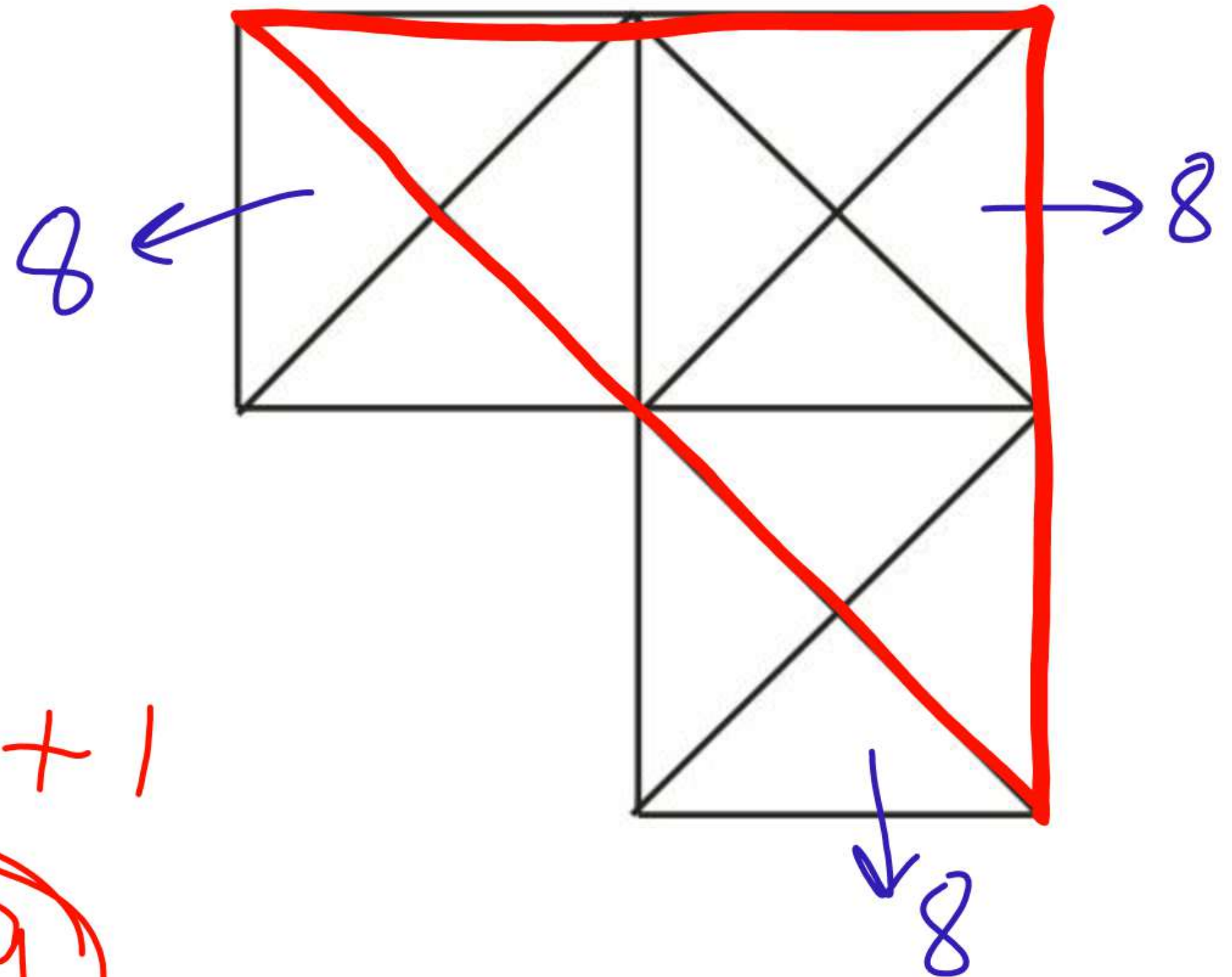
$$= 16 + 2 = \underline{18}$$



$$= 24 + 4 = \underline{28}$$

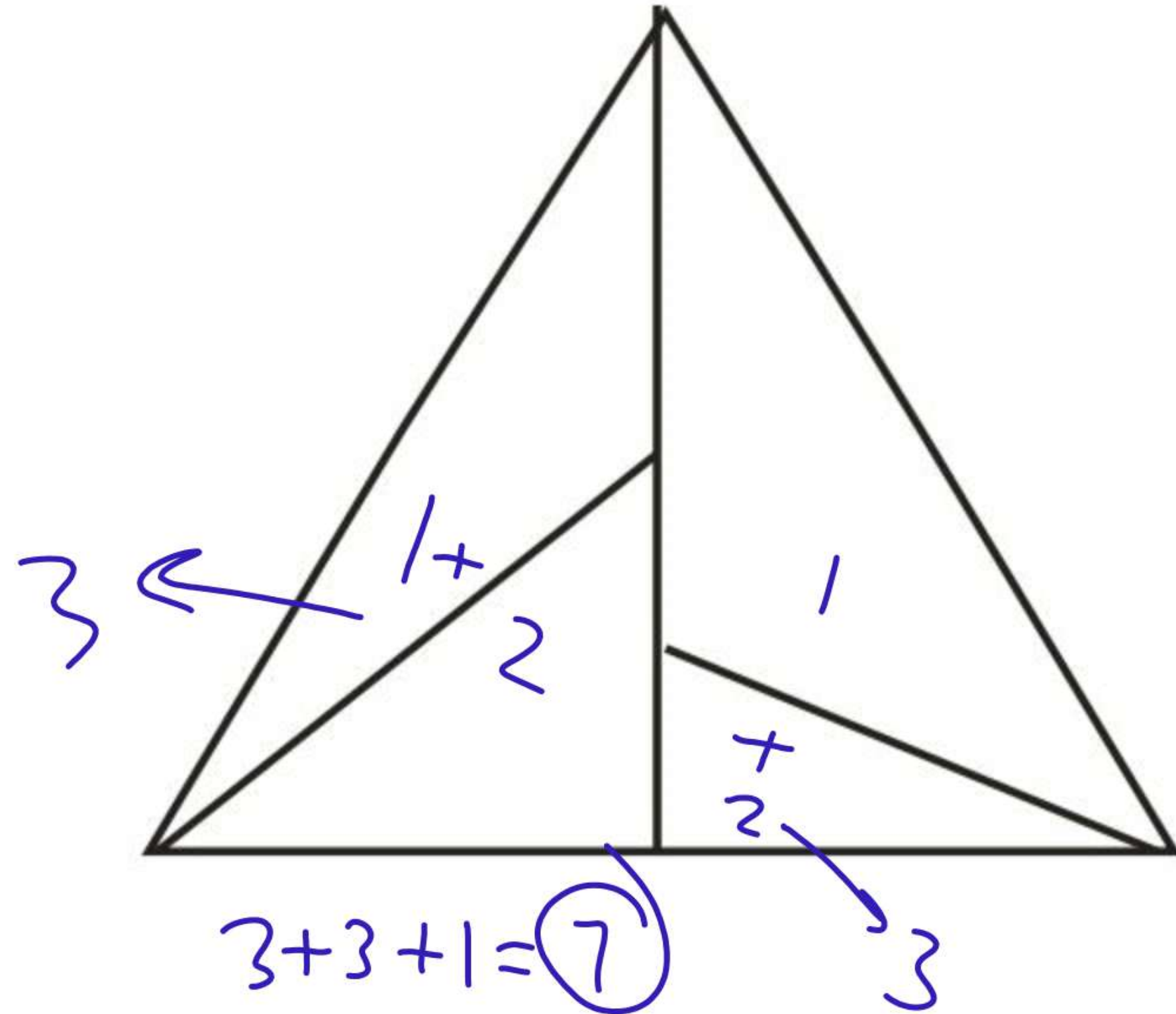


$$32 + 6 = \underline{38}$$

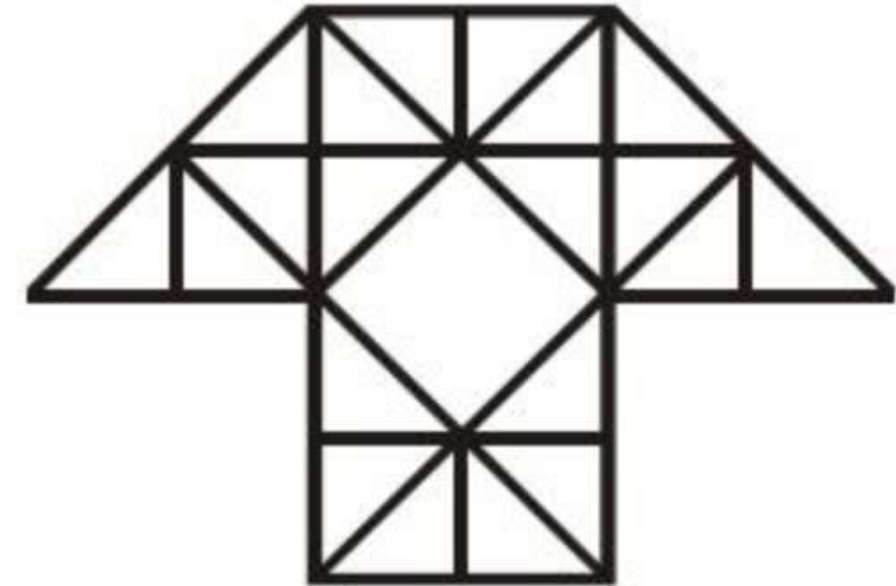


$$24 + 4 + 1$$

$$= 29$$

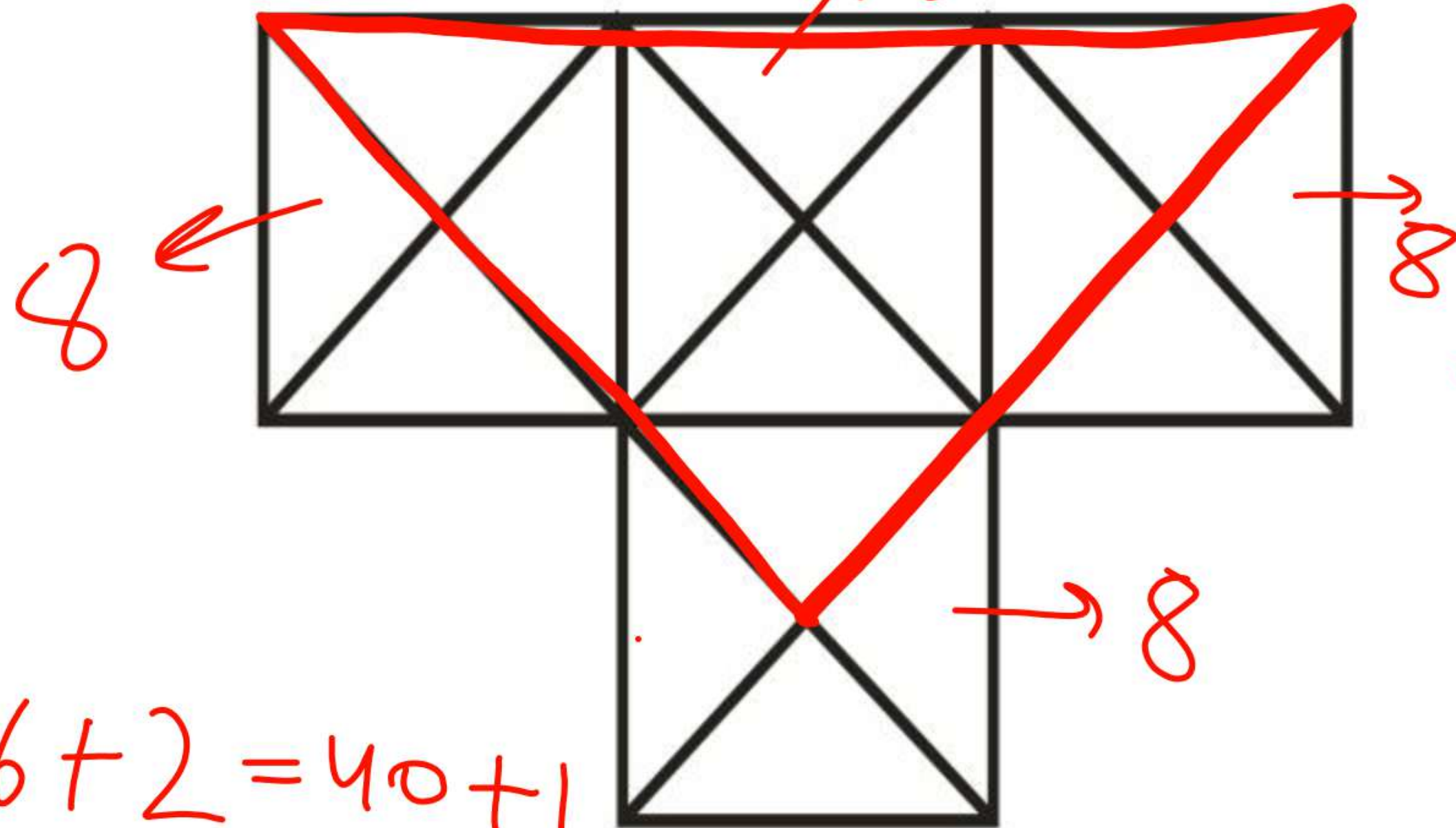


How many triangles are there in the given figure ?



- (a) 29
- (b) 38
- (c) 40
- (d) 35

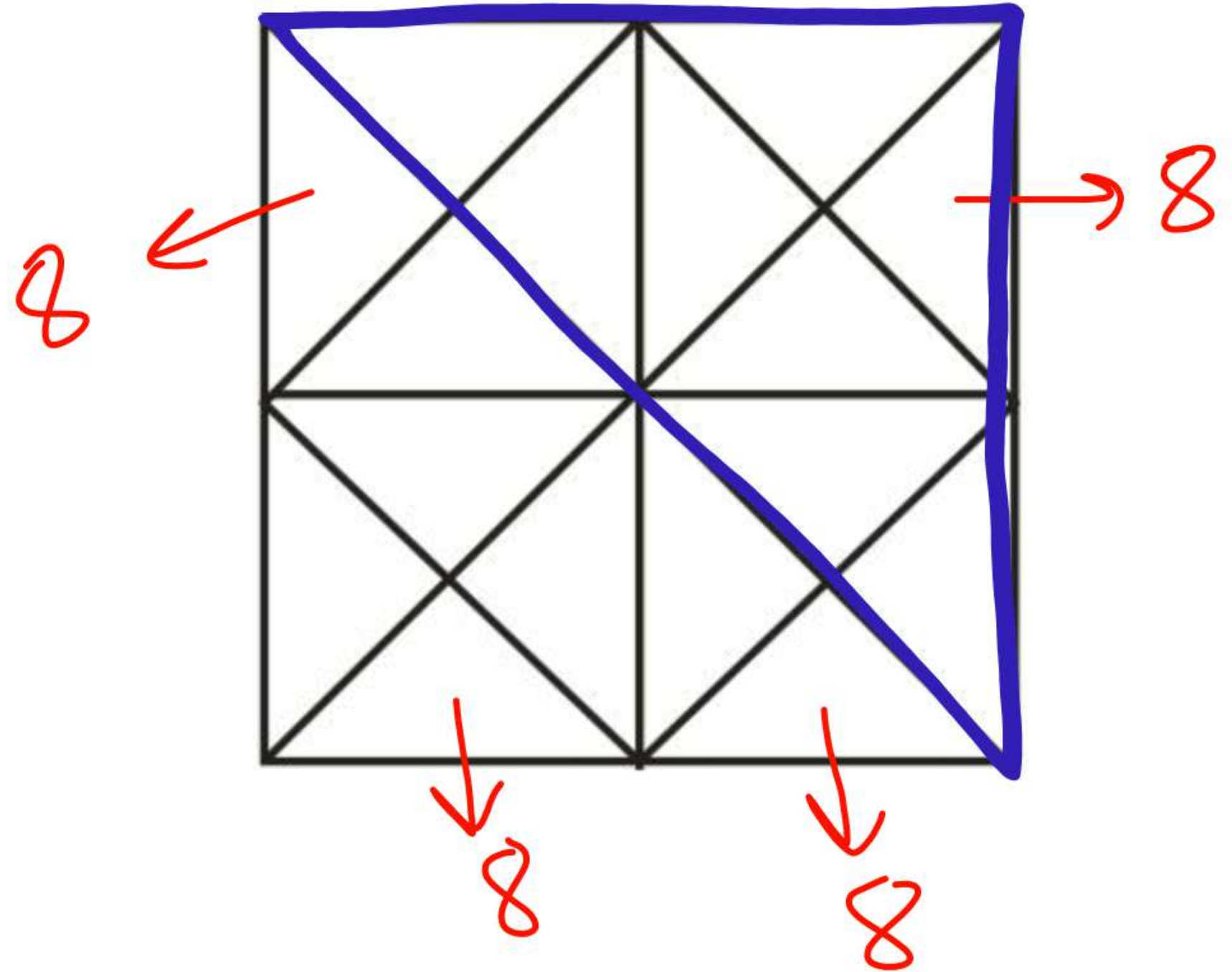
12.



$$32 + 6 + 2 = 40 + 1$$

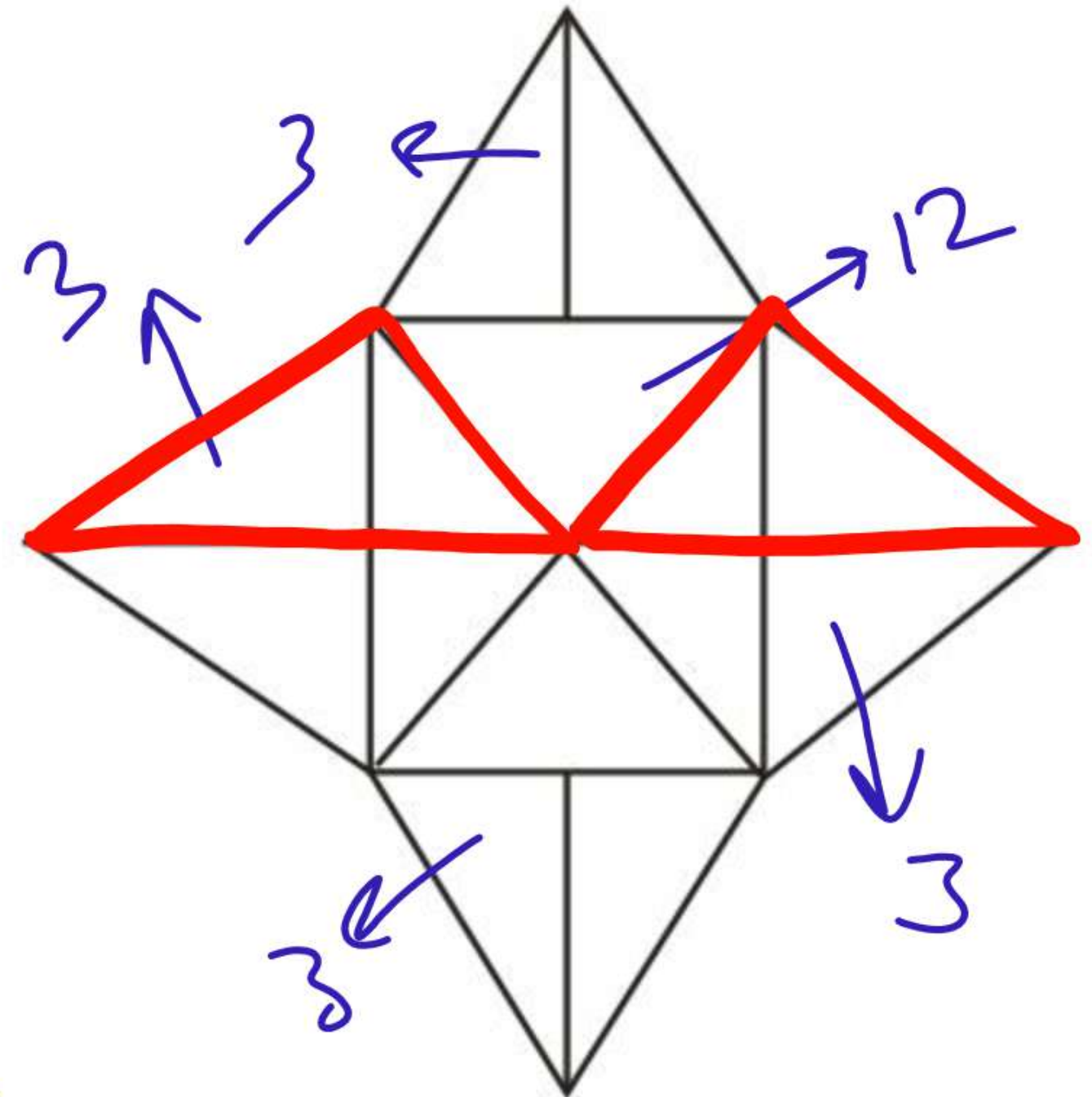
$$= \textcircled{41}$$

13.



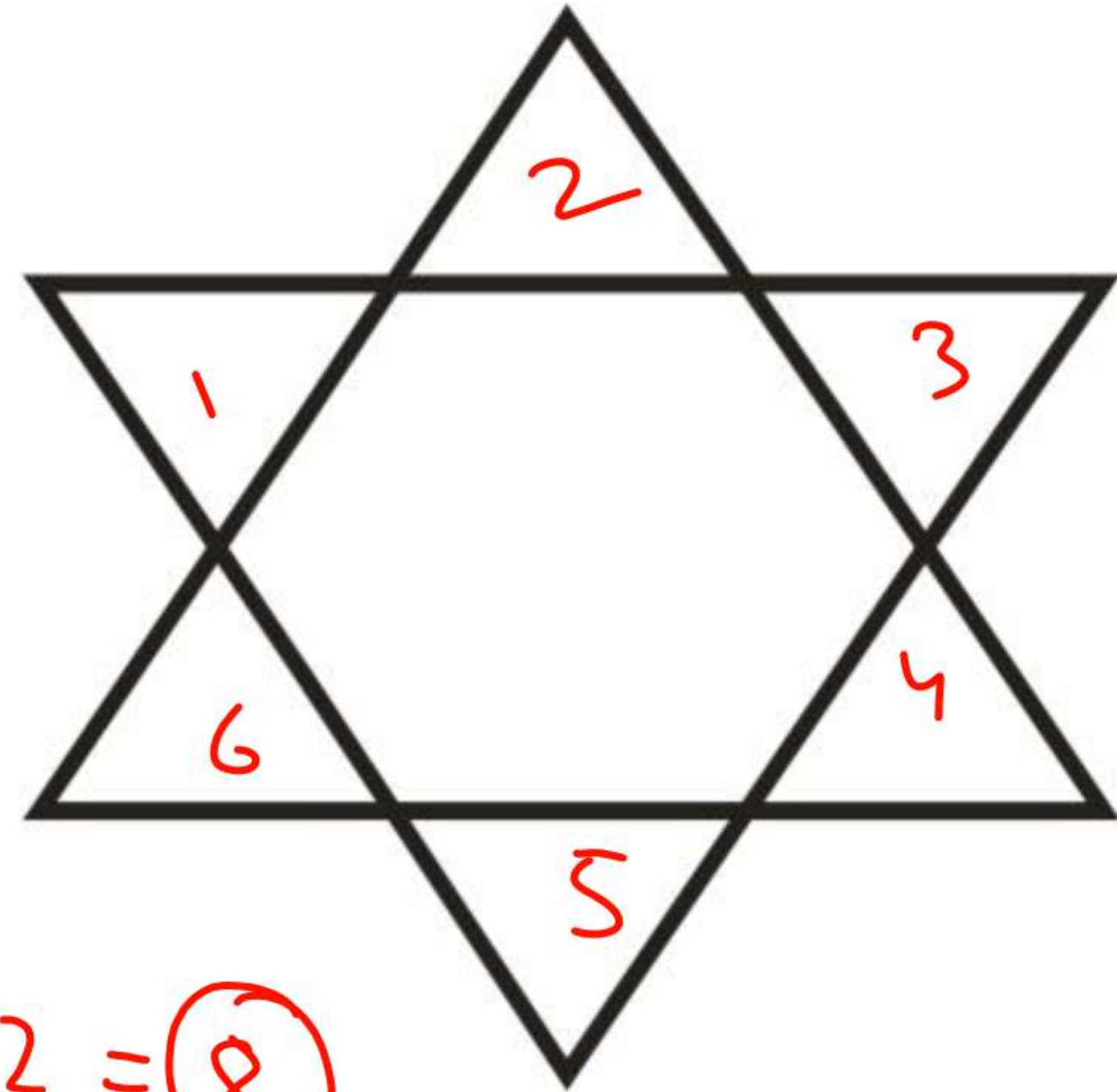
$$32 + 8 + 4 = \underline{44}$$

14.



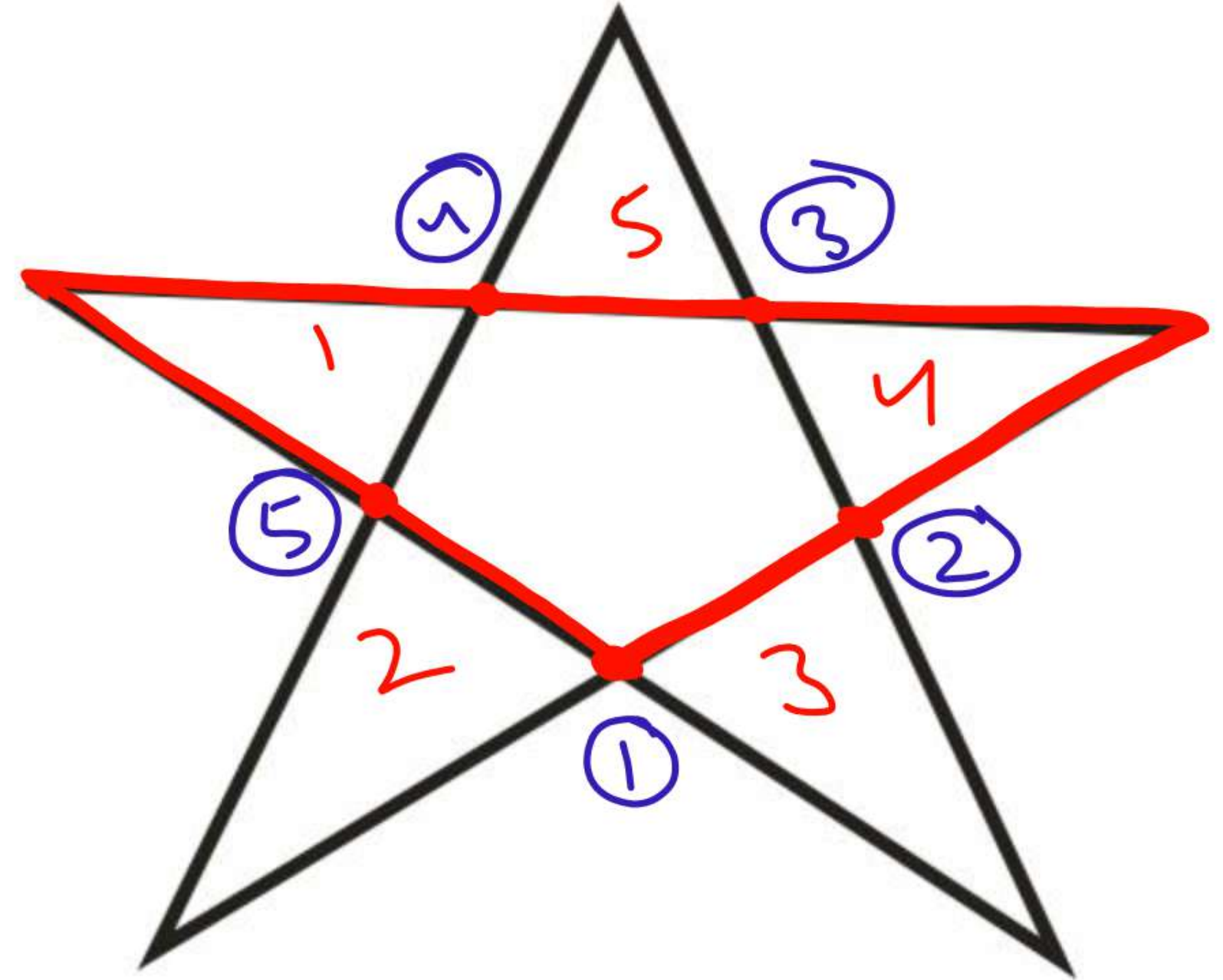
$$24 + 4 = 28$$

15.



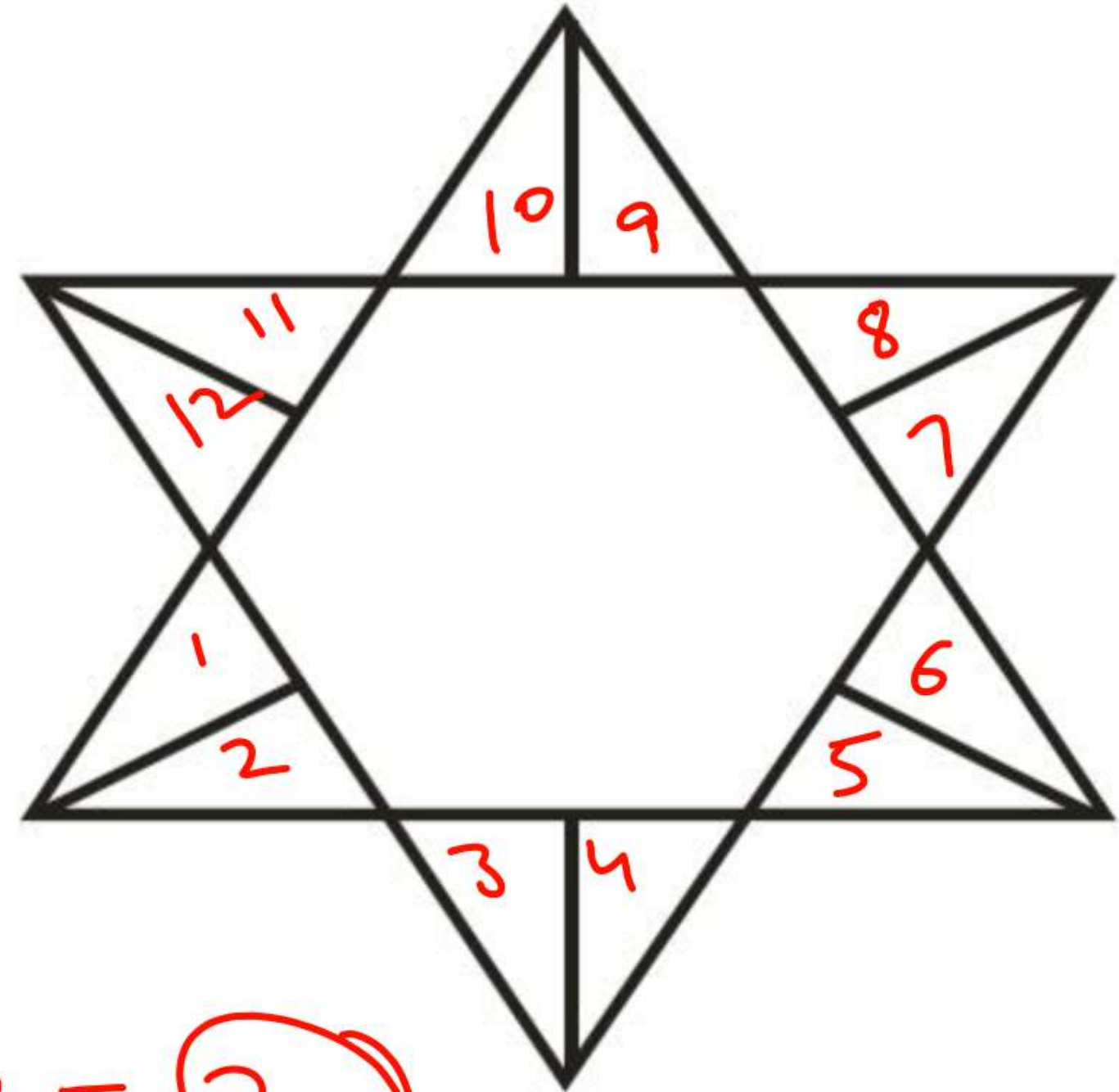
$$6 + 2 = \textcircled{8} \checkmark$$

16.



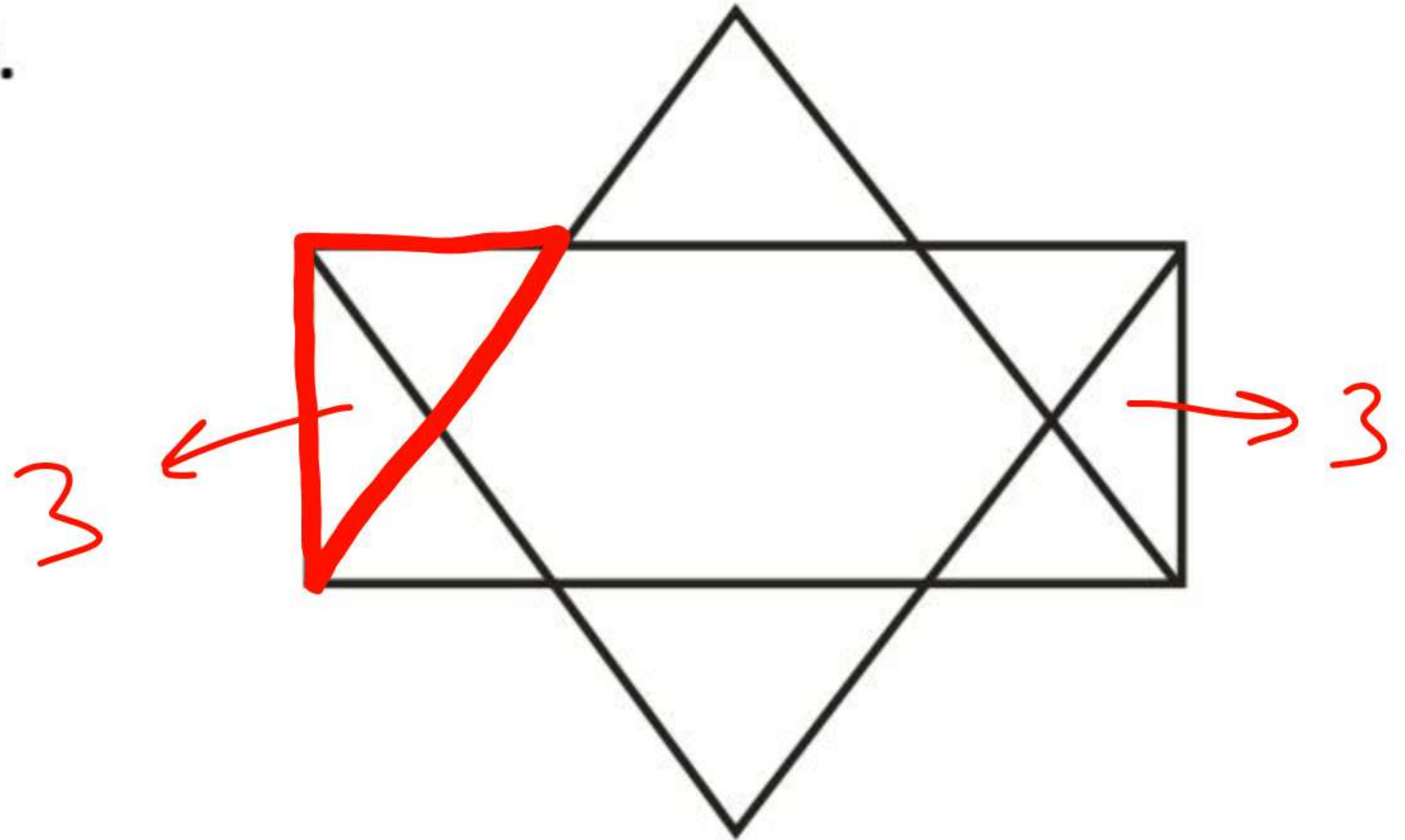
$$5 + 5 = \underline{10}$$

17.



$$8 + 12 = \underline{20}$$

18.



$$8 + 6 = 14 \checkmark$$



Reasoning Special

LIVE STREAM

NEW

Smart Batch

By VikramJeet Sir
Reasoning Guru

Download
RG VIKRAMJEET App



8506003399

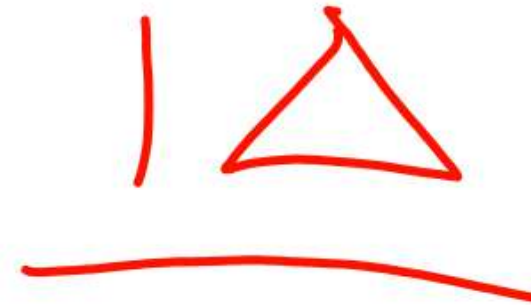
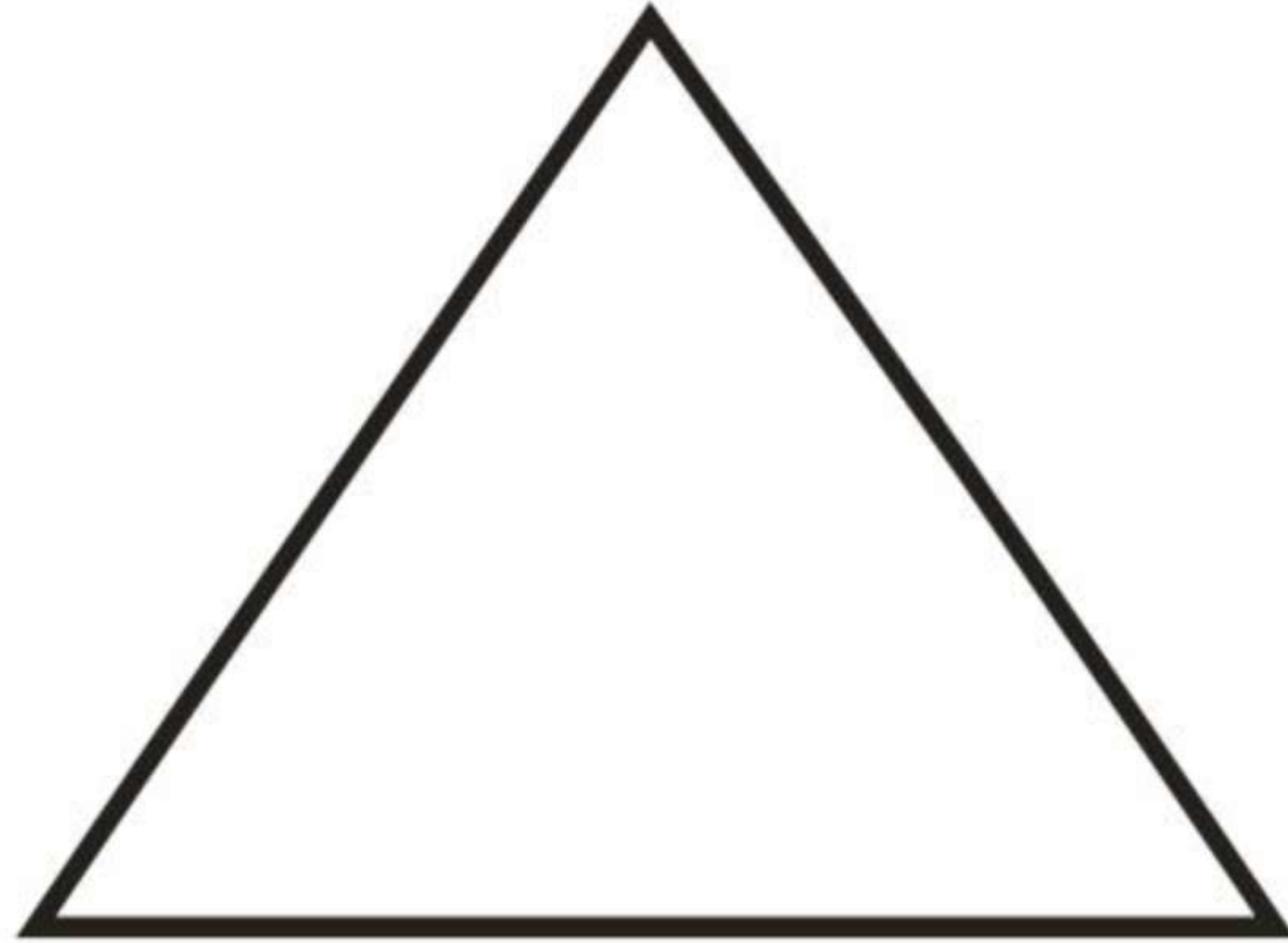
FLAT 90% OFF

FEE 899

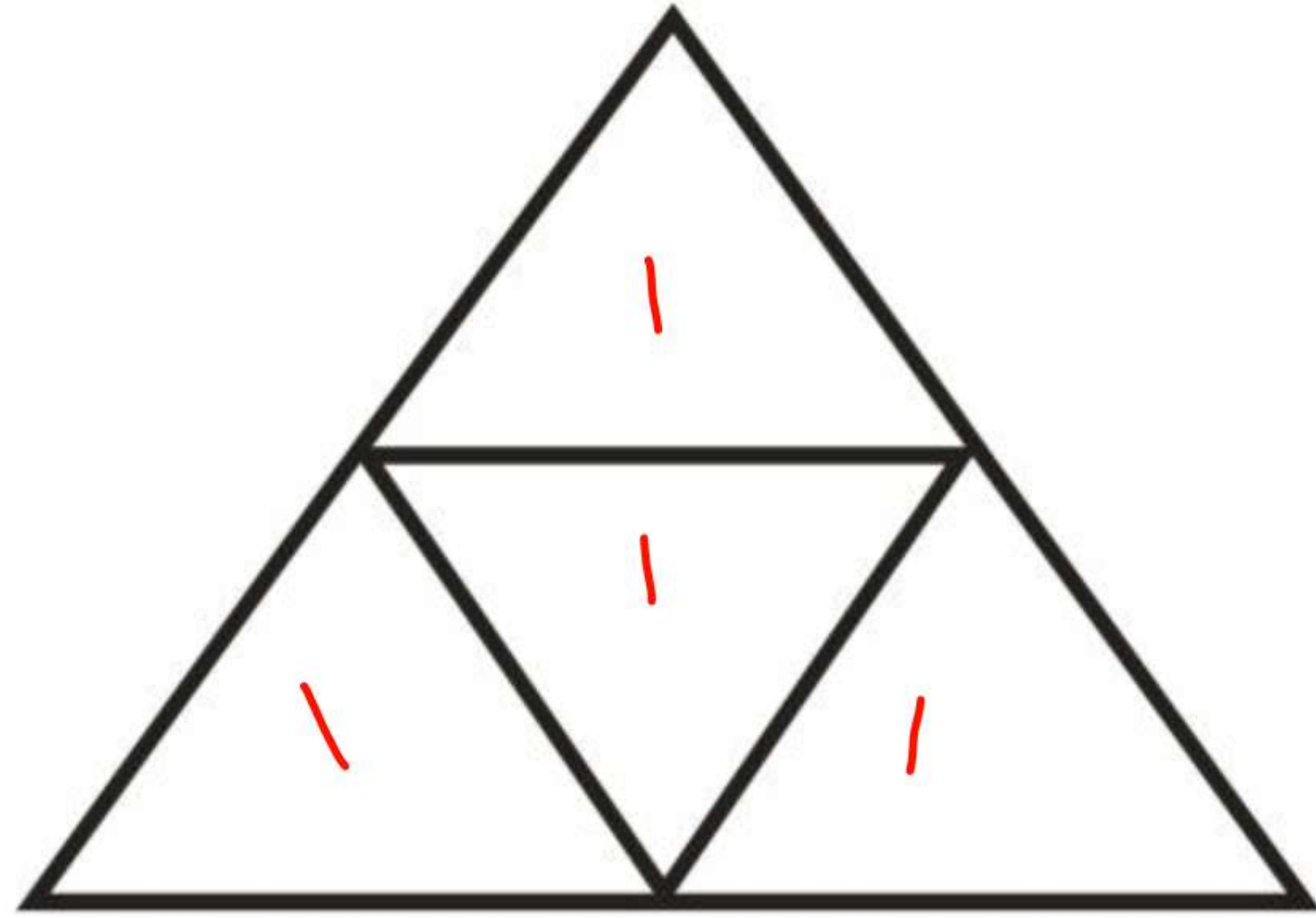
Starts From 24th May

For More Visit live.vikramjeet.in

19.

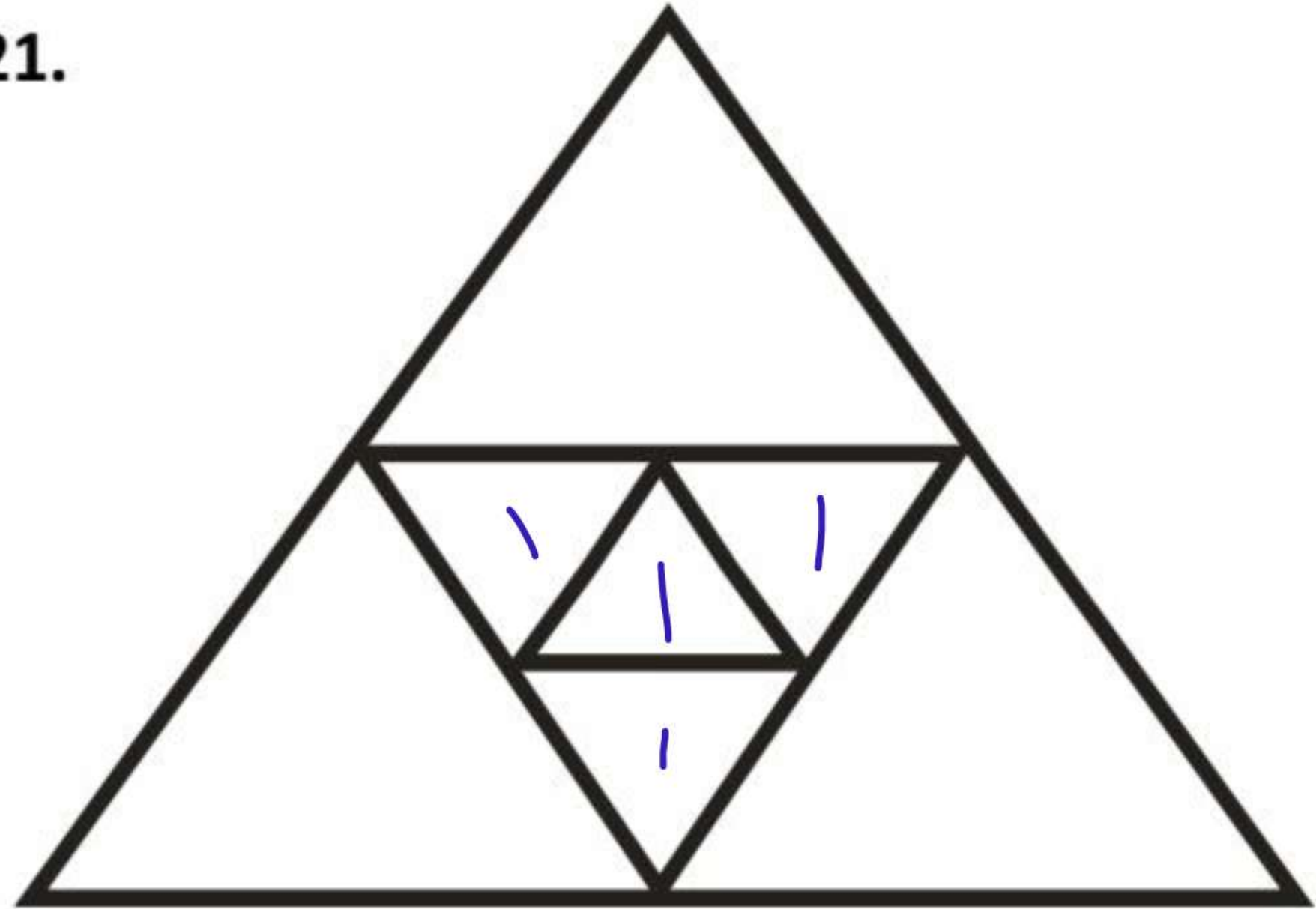


20.



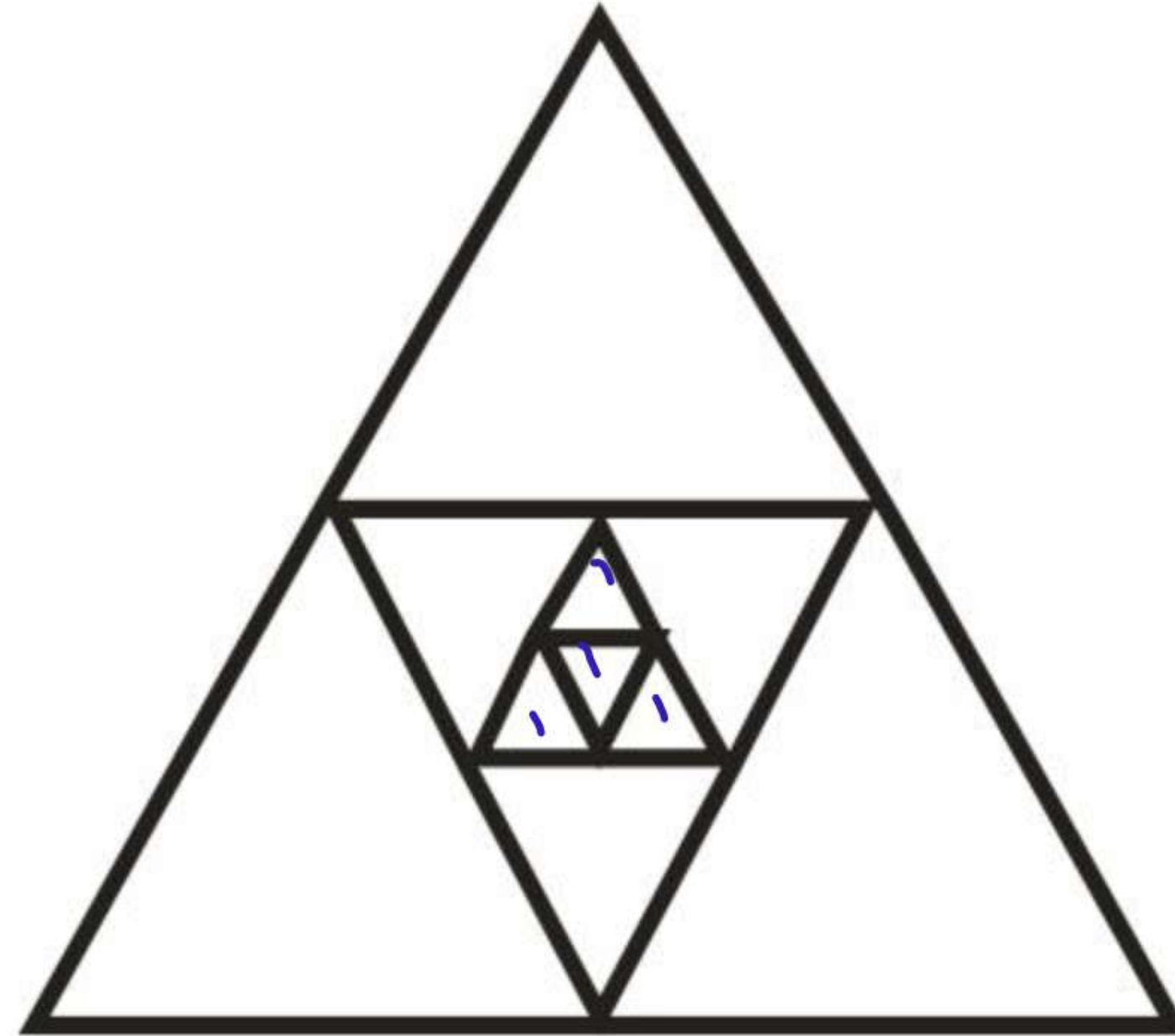
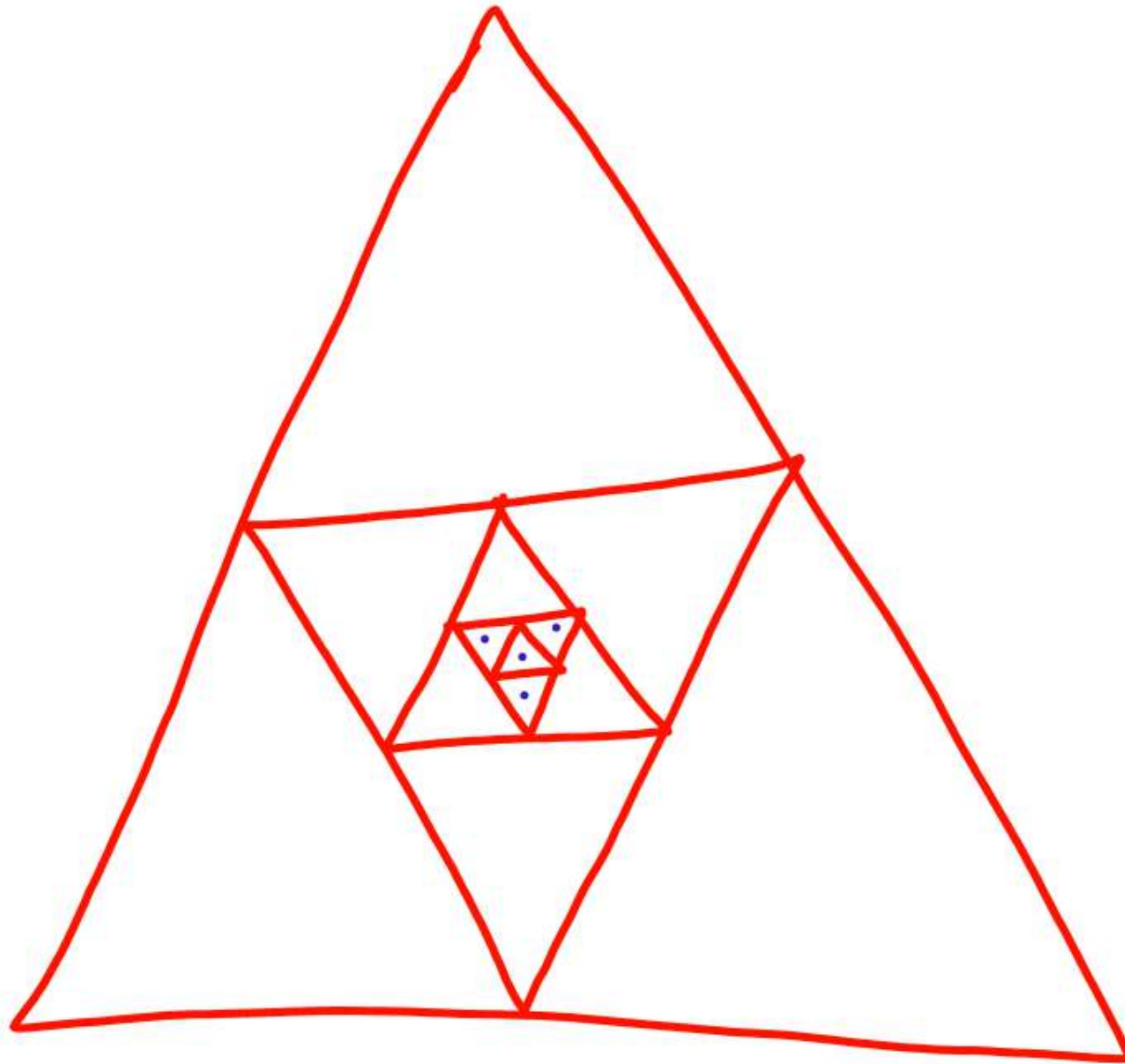
$$1 + 4 = \underline{5}$$

21.



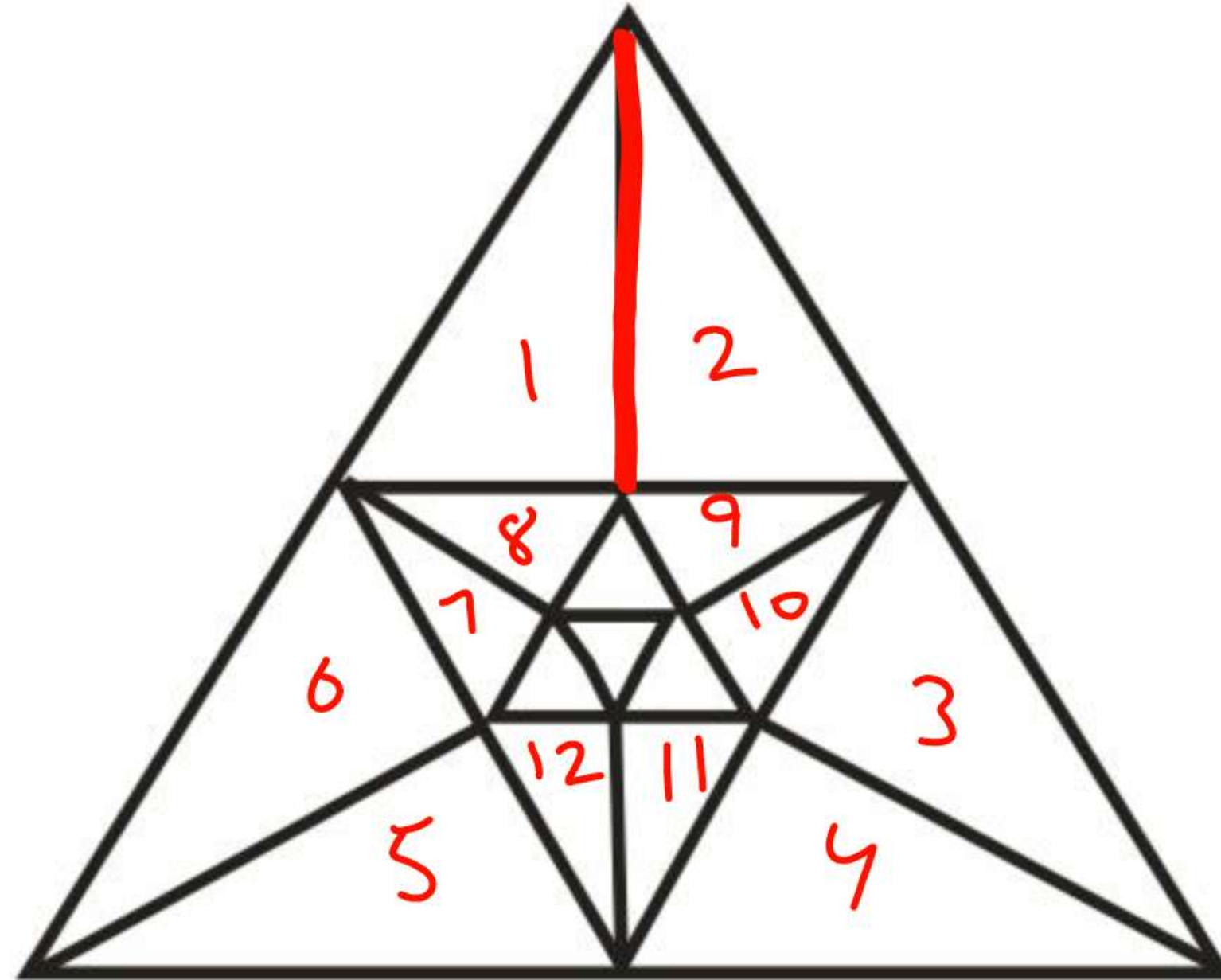
$$1 + \underline{4} + \underline{4} = \underline{9}$$

22.



$$1 + 4 + 4 + 4 + 4 = 17 \quad 1 + 4 + 4 + 4 = 13$$

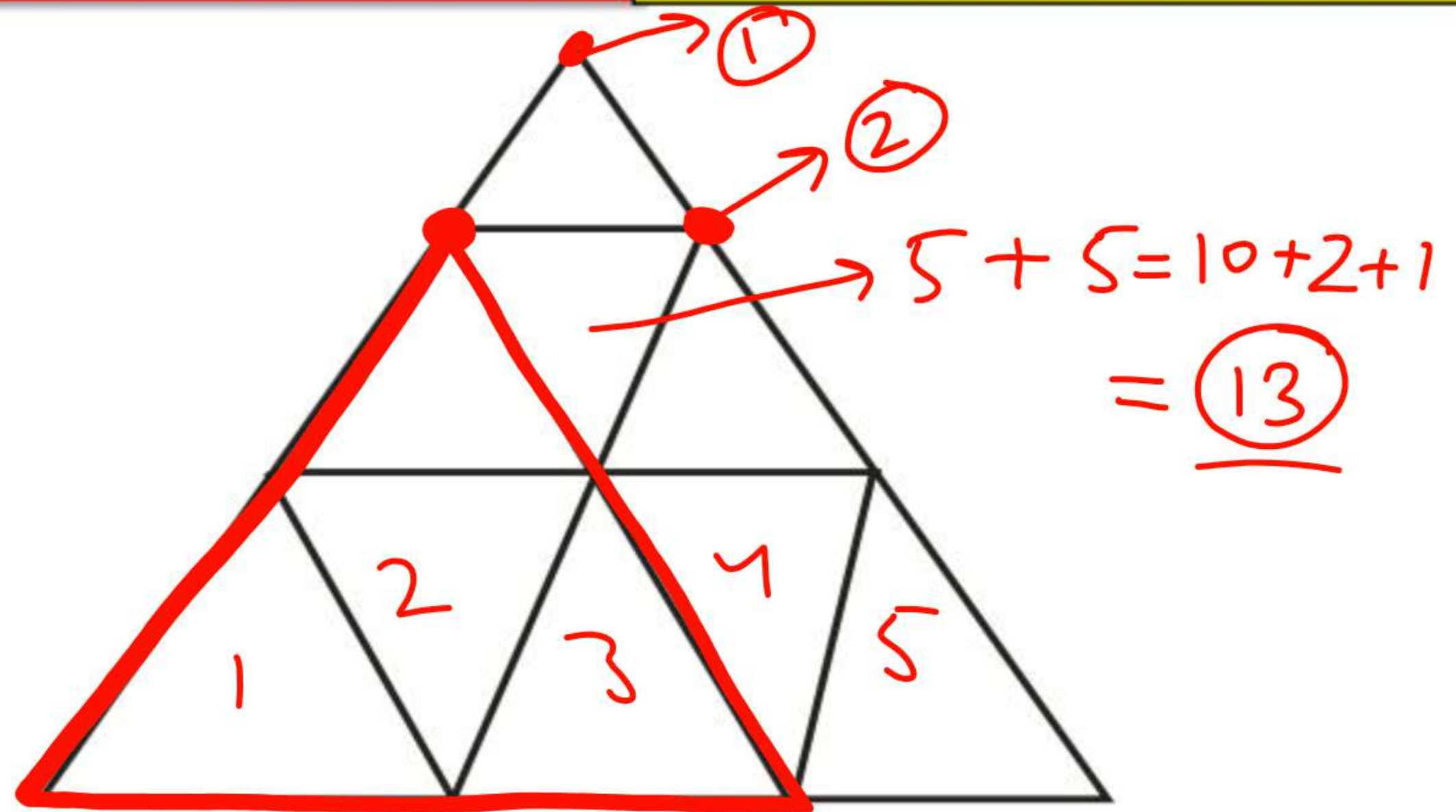
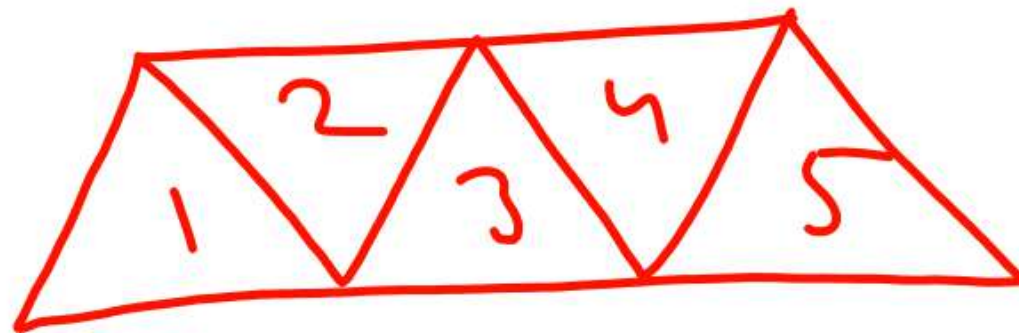
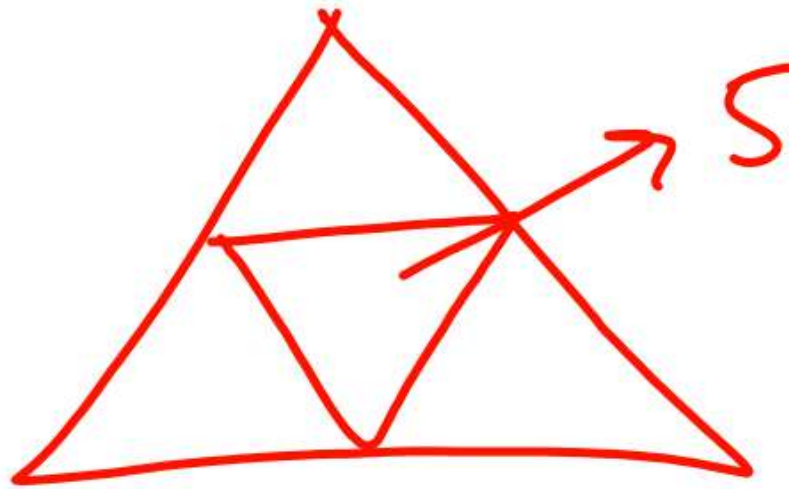
23.



$$1 + 4 + 4 + 4 = 13 + 12 = 25$$

:

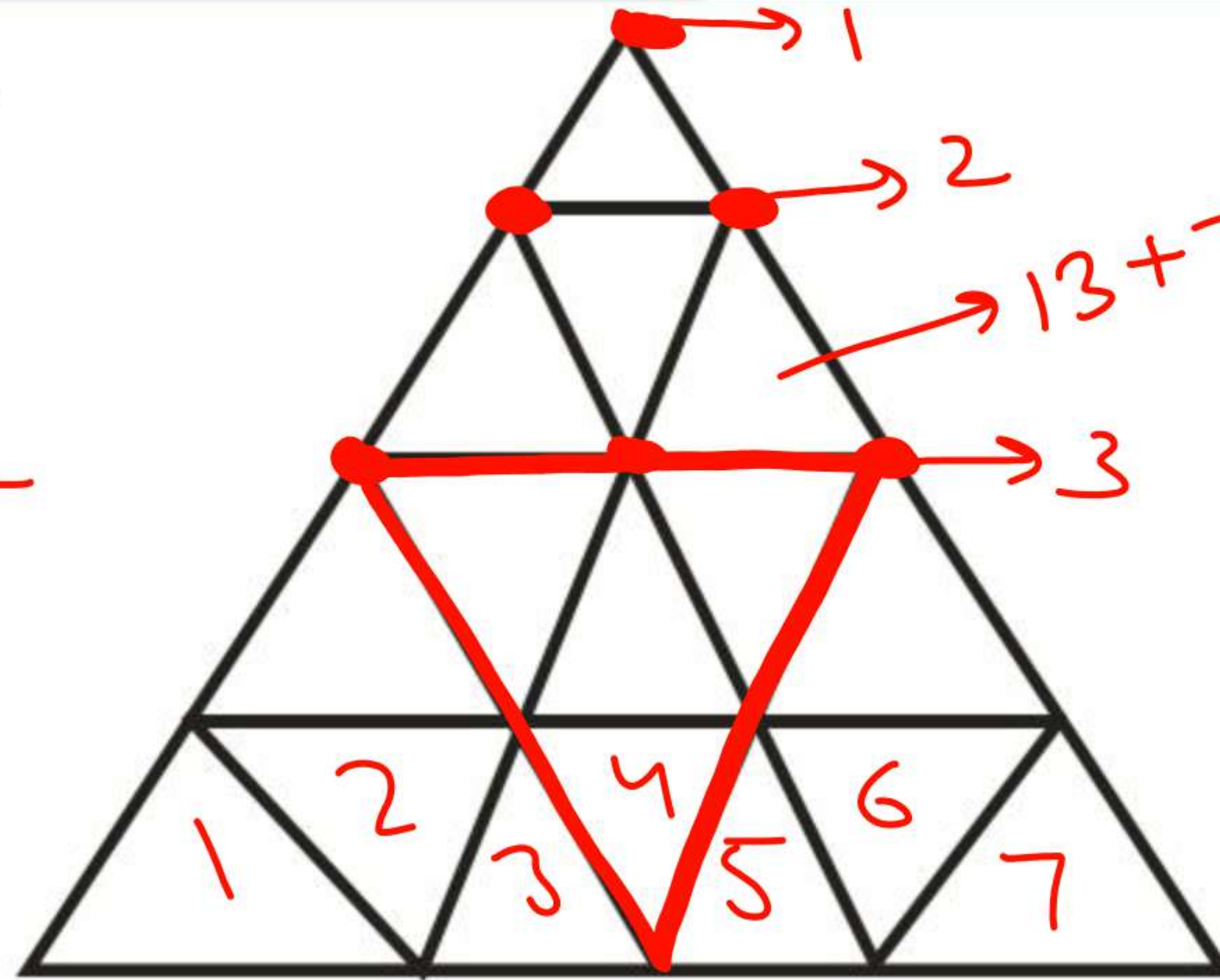
24.



$$\text{Even} = \frac{n(n+2)(2n+1)}{8} \quad 25.$$

$$\text{Odd} = \frac{n(n+2)(2n+1)-1}{8}$$

$n = \text{no. of base}$

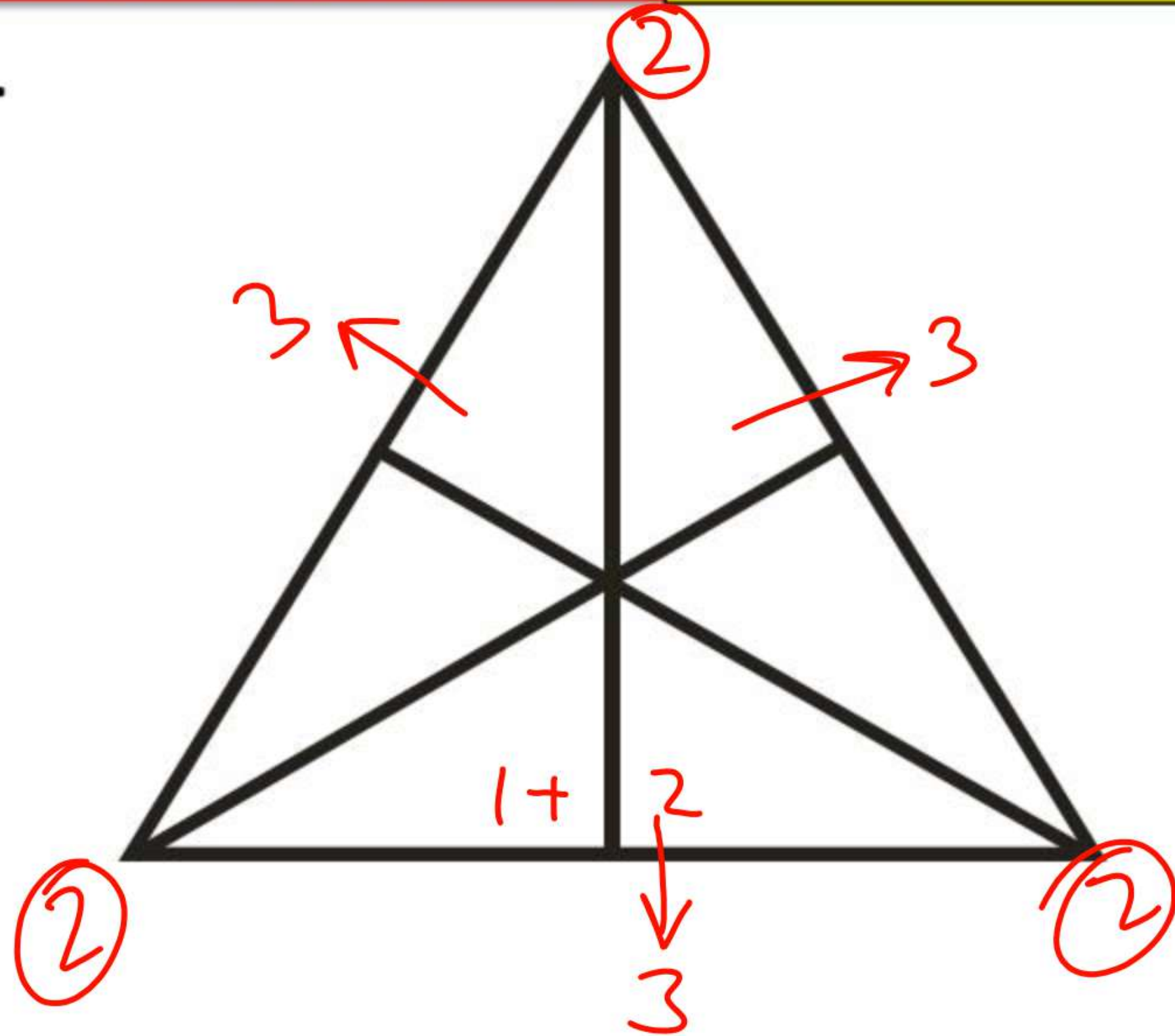


$$\begin{aligned} 13 + 7 &= 20 + 3 + 2 + 1 \\ &= 26 + 1 \\ &= \underline{\underline{27}} \end{aligned}$$

26.

$$9 + 6 + 1$$

$$= \underline{16}$$





Reasoning Special

LIVE STREAM

NEW

Smart Batch

By VikramJeet Sir
Reasoning Guru

Download
RG VIKRAMJEET App



8506003399

FLAT 90% OFF

FEE 899

Starts From 24th May

For More Visit live.vikramjeet.in

27.

			$1^2 \rightarrow 1$
			$2^2 \rightarrow 4$
			$3^2 \rightarrow 9$
			$4^2 \rightarrow 16$
			<hr/>
			30
			<hr/>

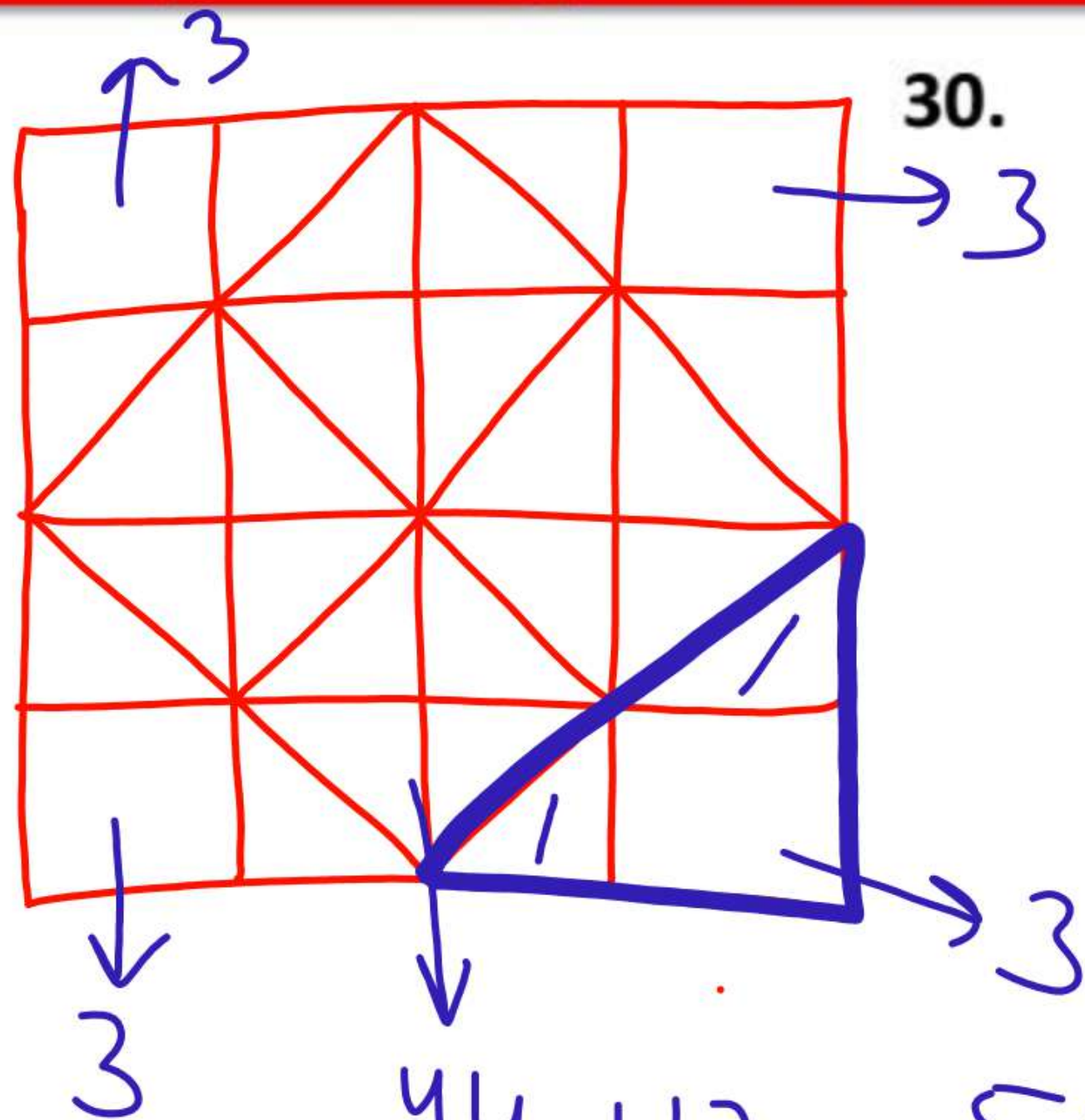
28.

			1^2	
			2^2	
			3^2	
			4^2	$\rightarrow 30$
1	+2	+3	+4	$\rightarrow 10$
				<hr/>
				40
				<hr/>

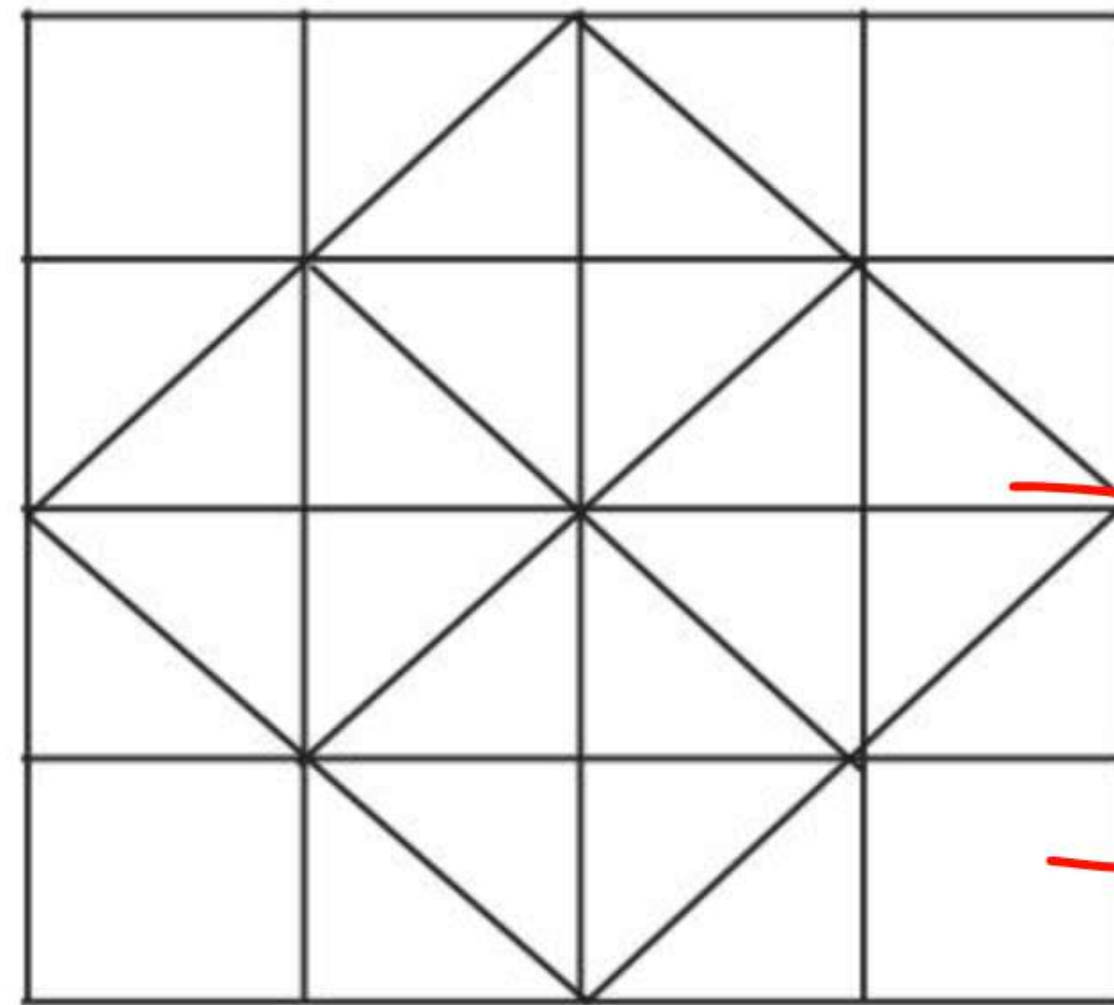
29.

1	1					1^2
+2	+2					2^2
+3	+3					3^2
+4	+4					4^2
+5	+5					5^2
↓	↓					↓
15	+15					+ 55

$$= \underline{\underline{85}}$$

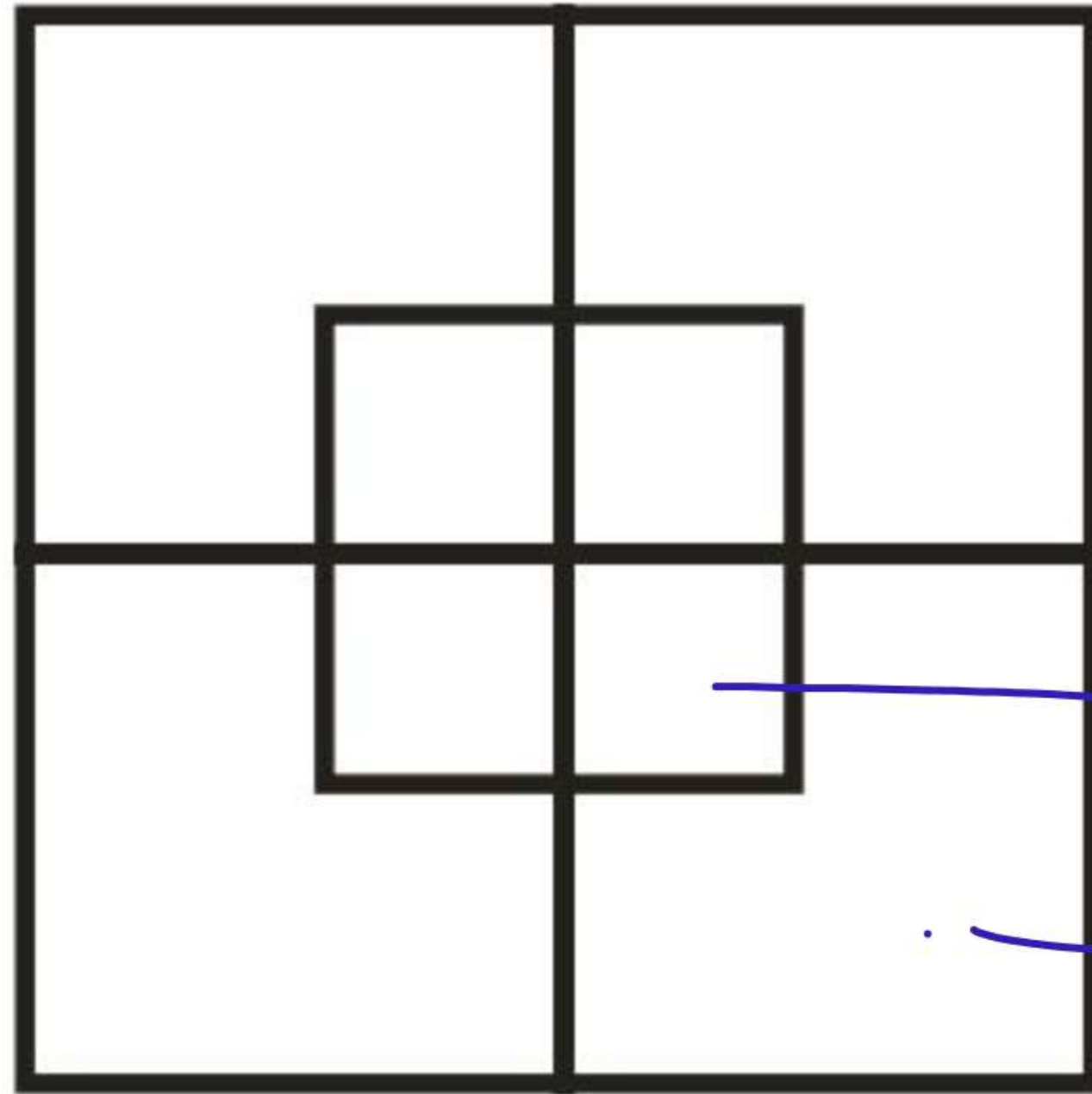


$$44 + 12 = \underline{56 \Delta}$$



$$\begin{array}{r} 5 \\ + \\ 30 \\ \hline 35 \end{array}$$

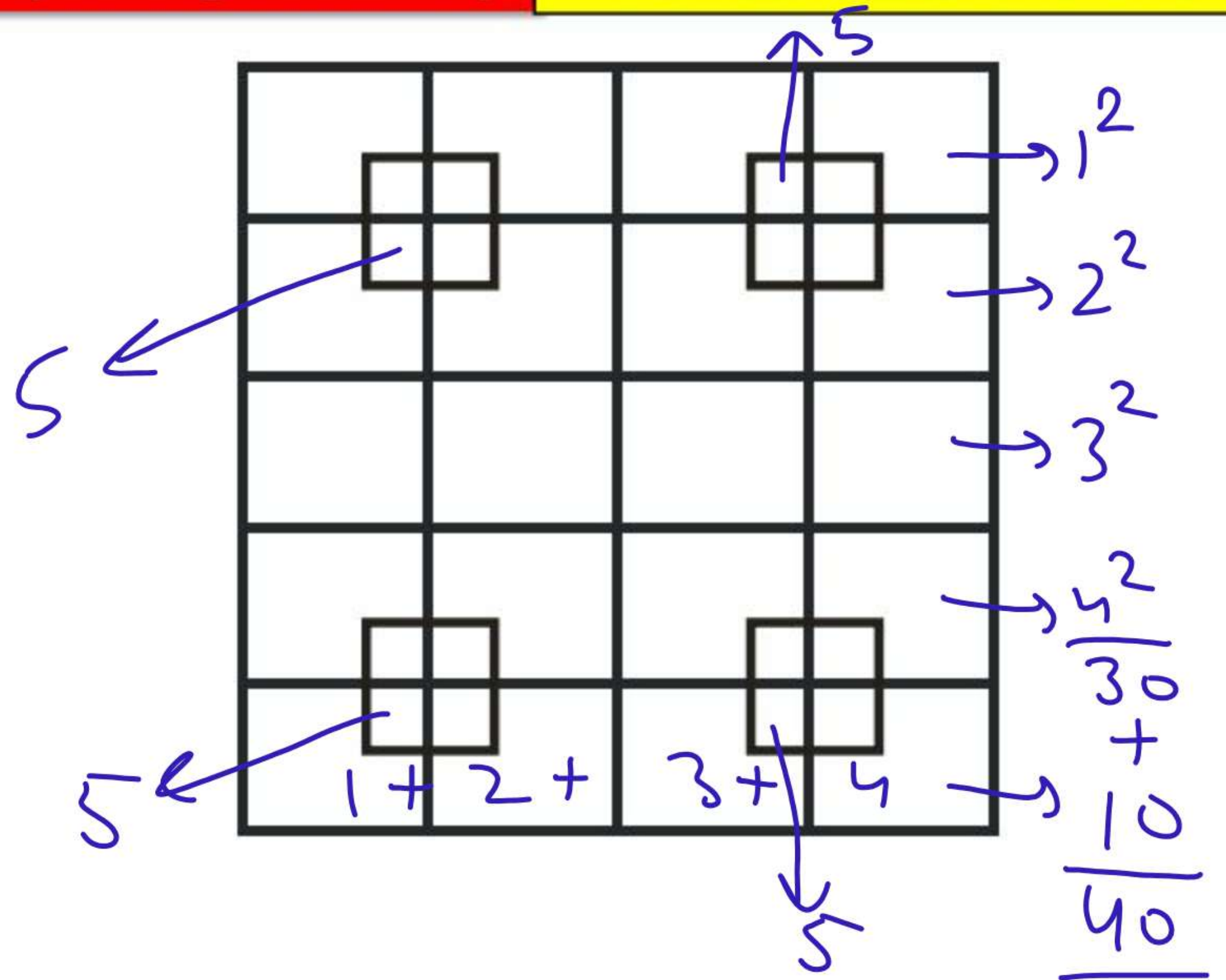
32.

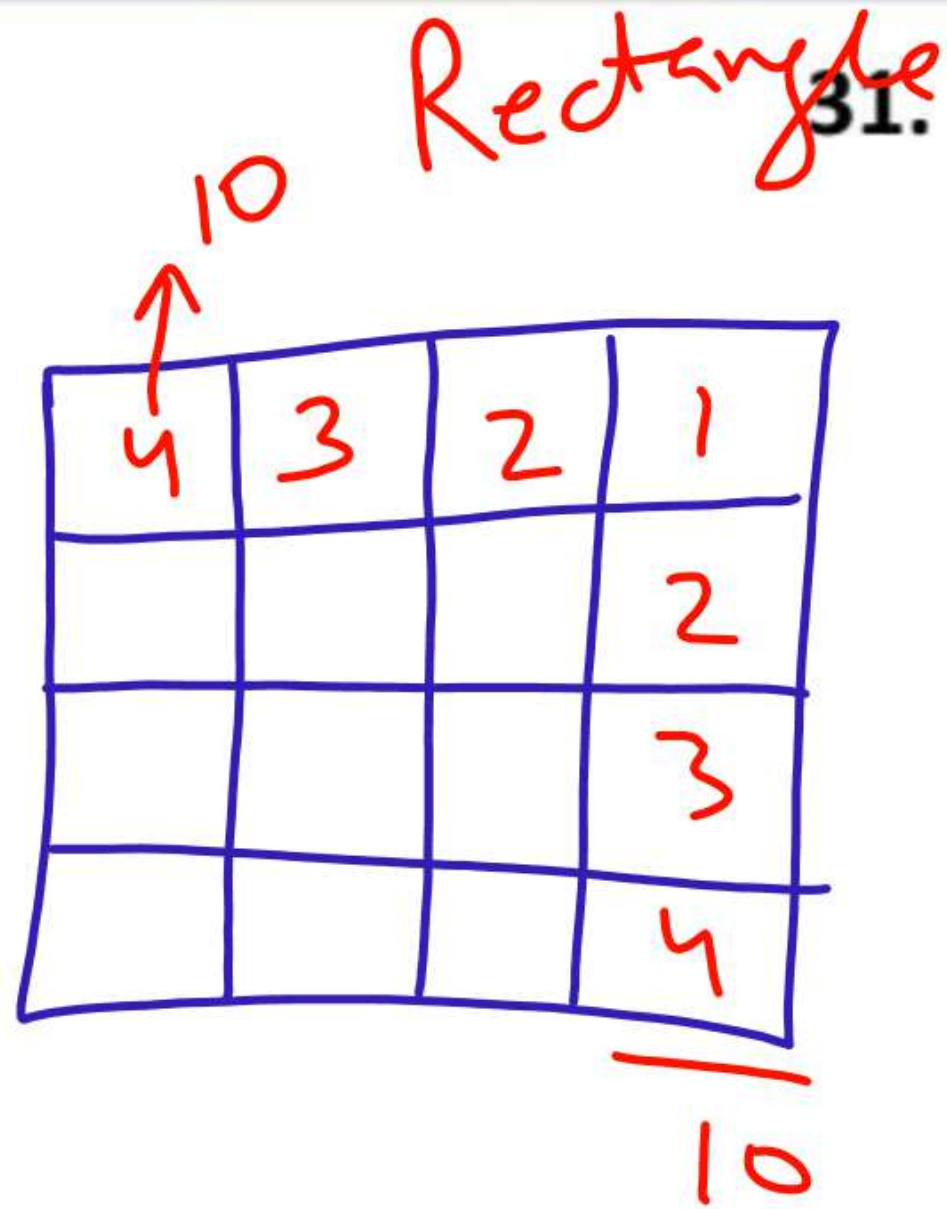


$$\begin{array}{r} 5 \\ + 5 \\ \hline 10 \end{array}$$

33.

$$40 + 20 = \textcircled{60}$$





$$10 \times 10 = \underline{100}$$

			$1^3 \rightarrow 1$
			$2^3 \rightarrow 8$
			$3^3 \rightarrow 27$
			$4^3 \rightarrow 64$
			<u>100</u>

15

5	4	3	2	1
				2
				3
				4

10

$$15 \times 10 = 150$$

28

7	6	5	4	3	2	1
						2
						3
						4
						5

15

$$28 \times 15 = \underline{420}$$

3	2	1
		2
		3
		4
		5
		6

21

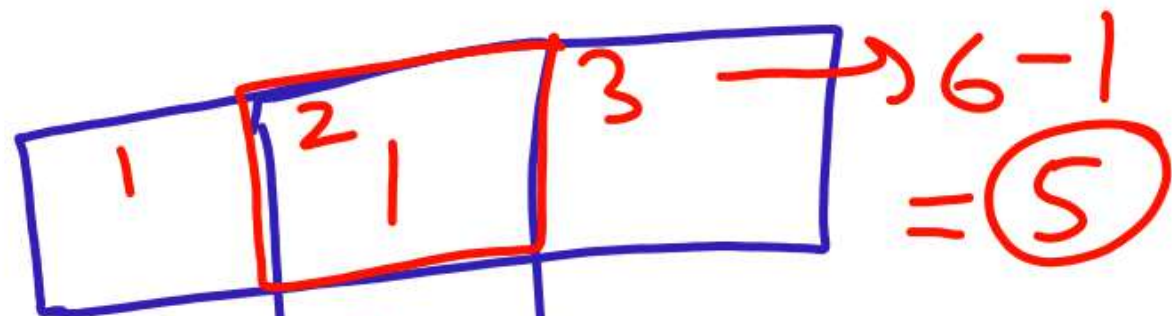
$$21 \times 6 = 126$$

2	1
	2
	3
	4
	5
	6
	7

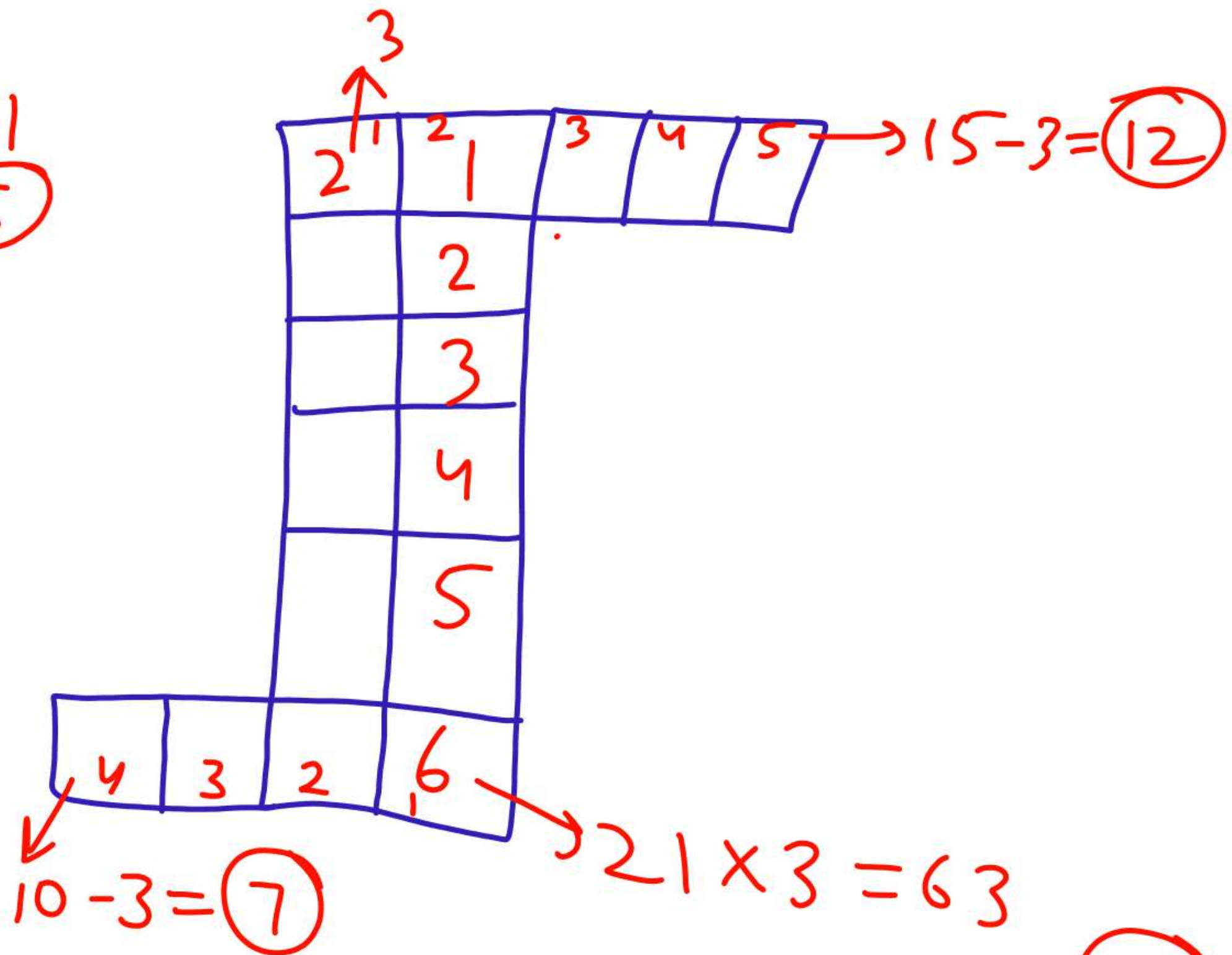
$$28 \times 3 = 84$$

1
2
3
4
5
6
7

28



$$21 + 5 = 26$$

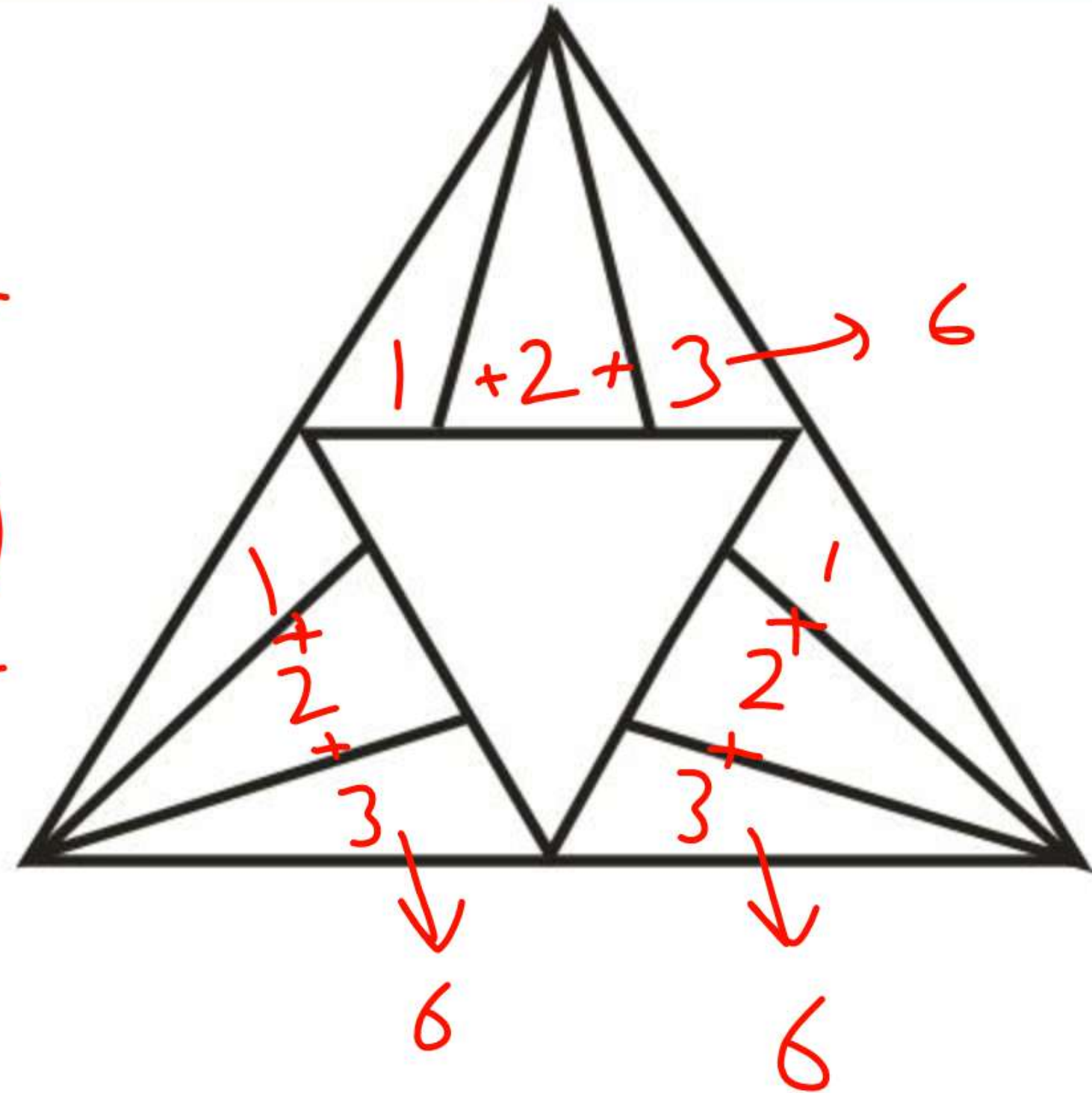


$$63 + 7 + 12 = 82$$

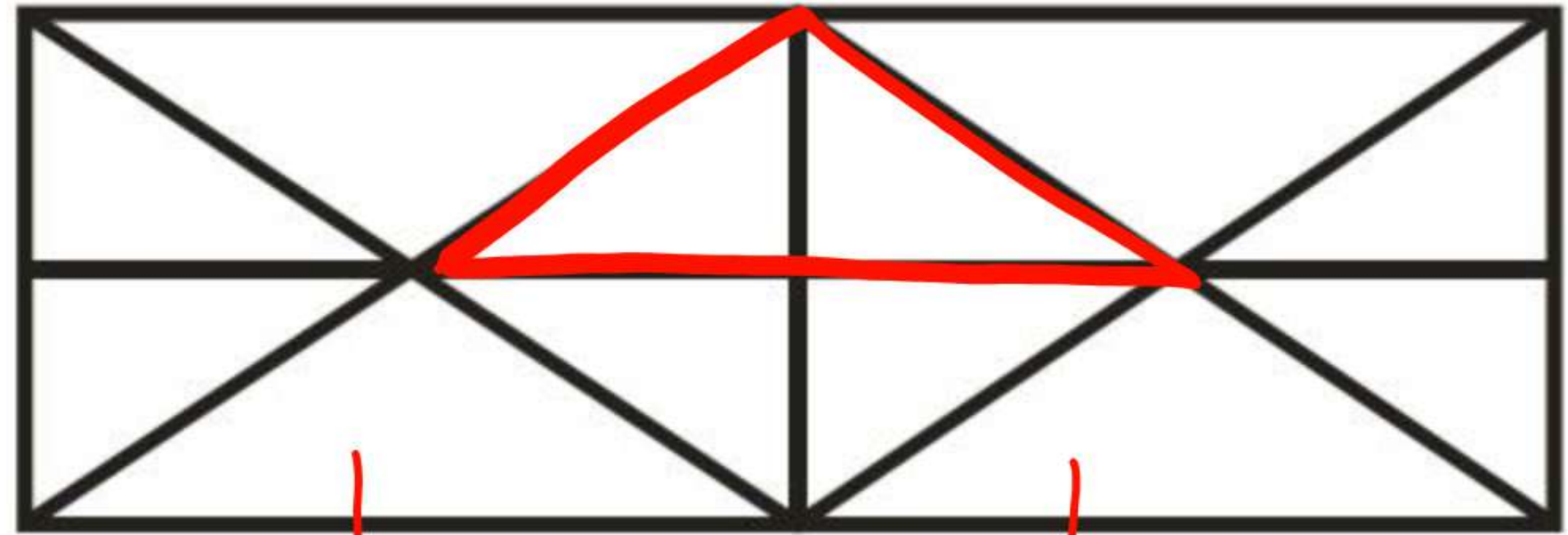
37.

$$18 + 2$$

$$= \textcircled{20}$$



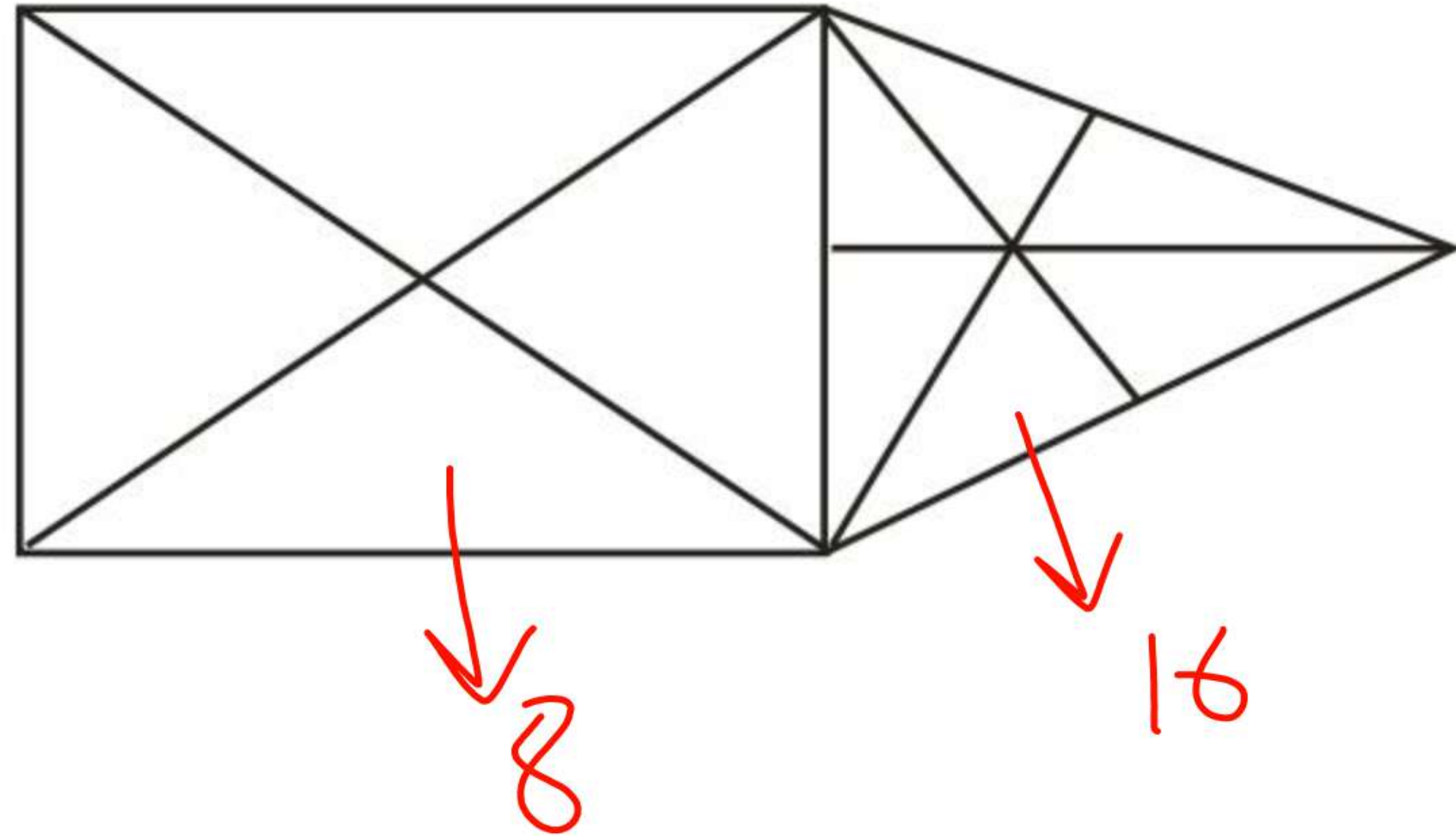
38.



$$12 + 12$$

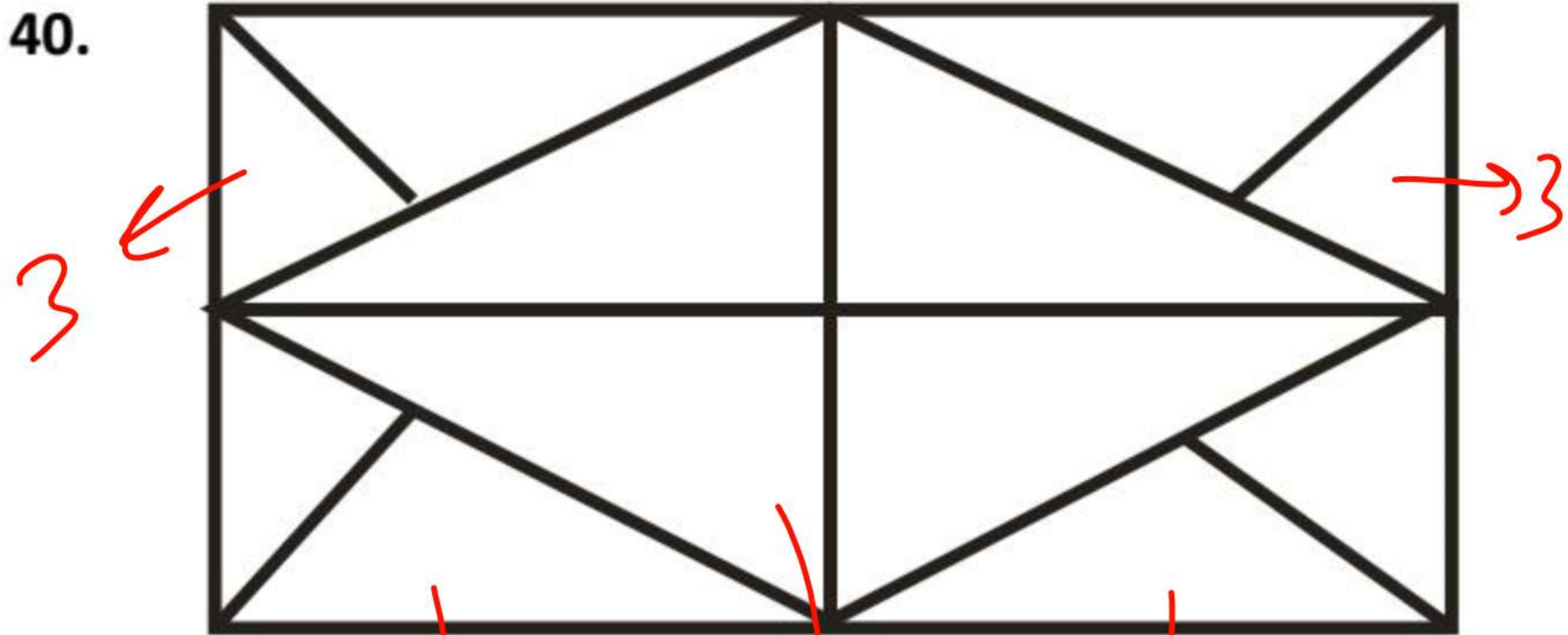
$$= 24 + 2 + 2 = \underline{28}$$

39.

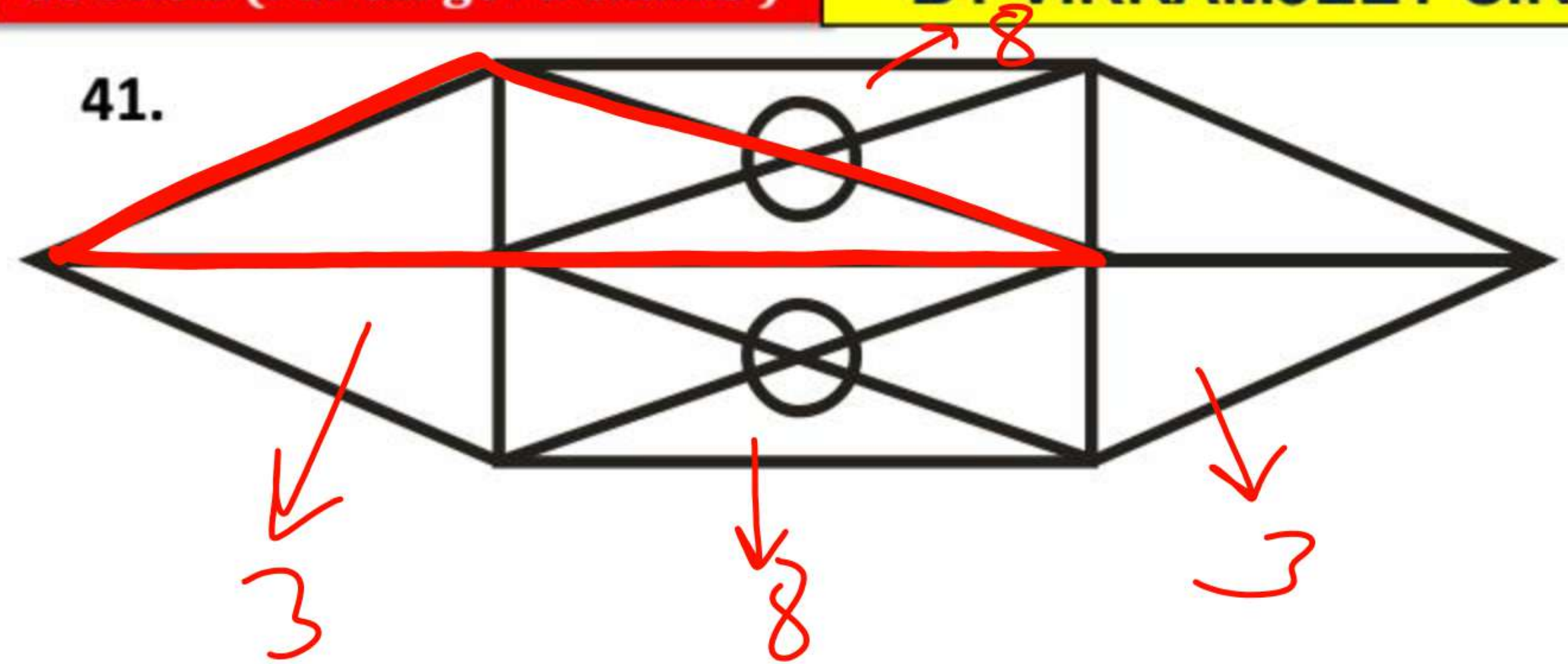


$$16 + 8 = 24$$

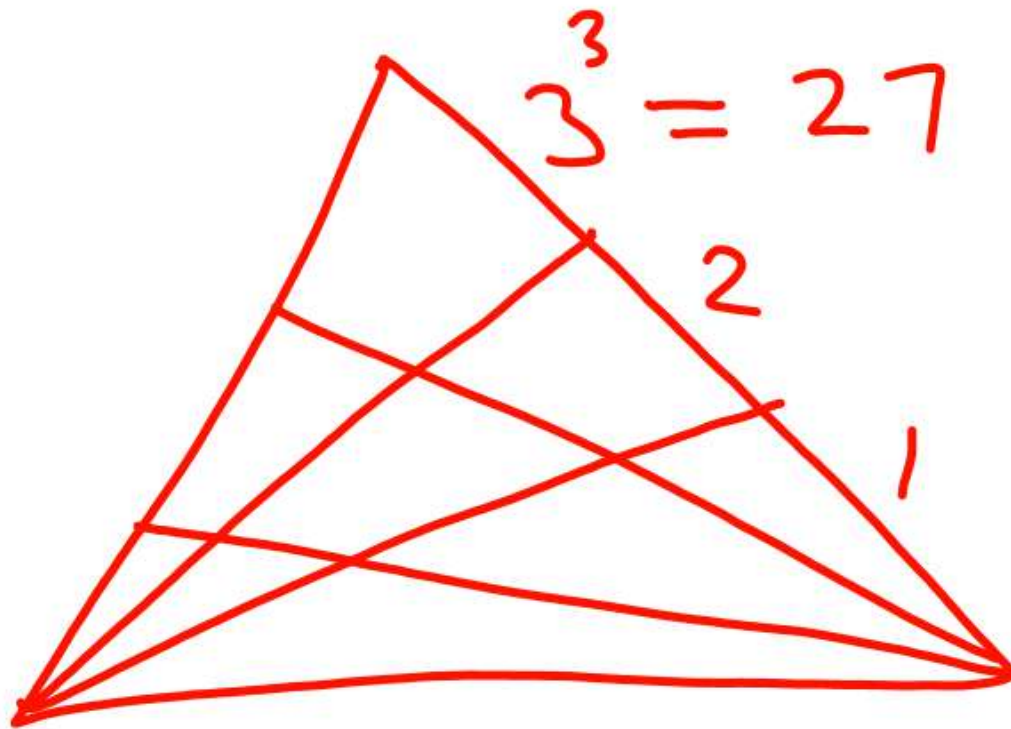
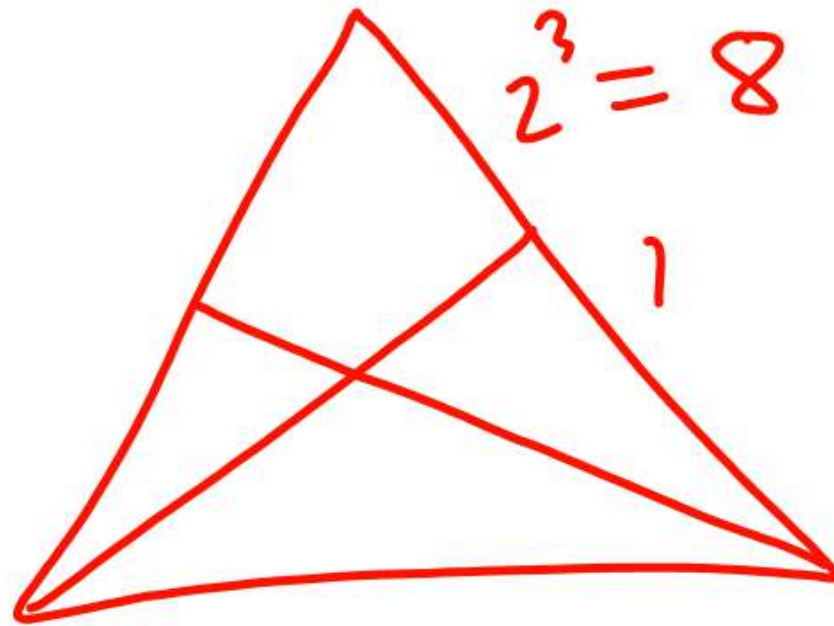
40.



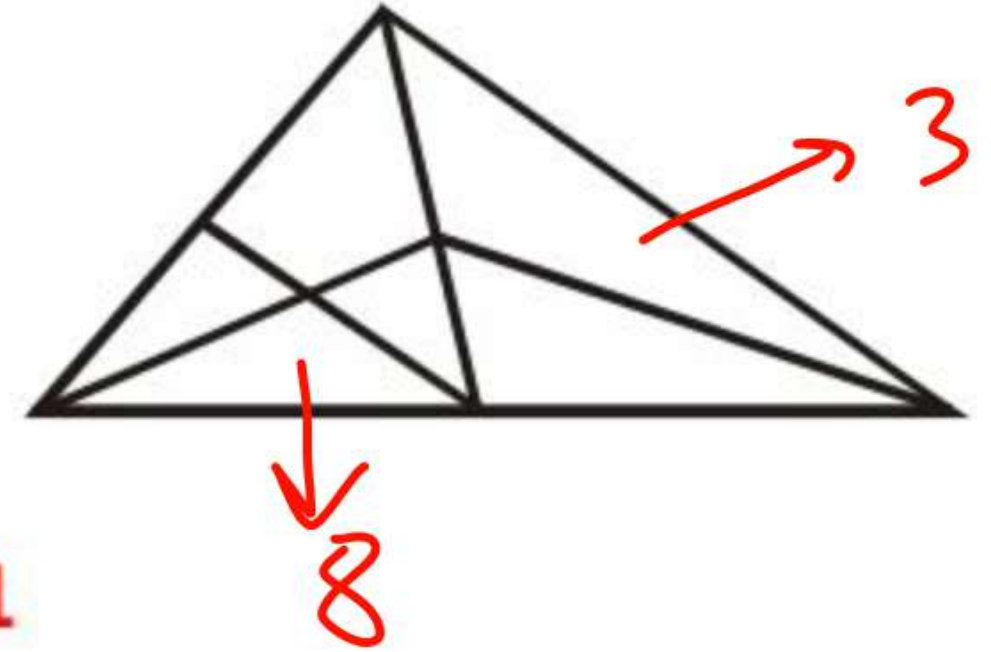
$$12 + 8 = 20$$



$$3 + 3 + 8 + 8 = 22 + 2 + 4 = 28$$



1. How many triangles are there in the following figure ?



(a) 11

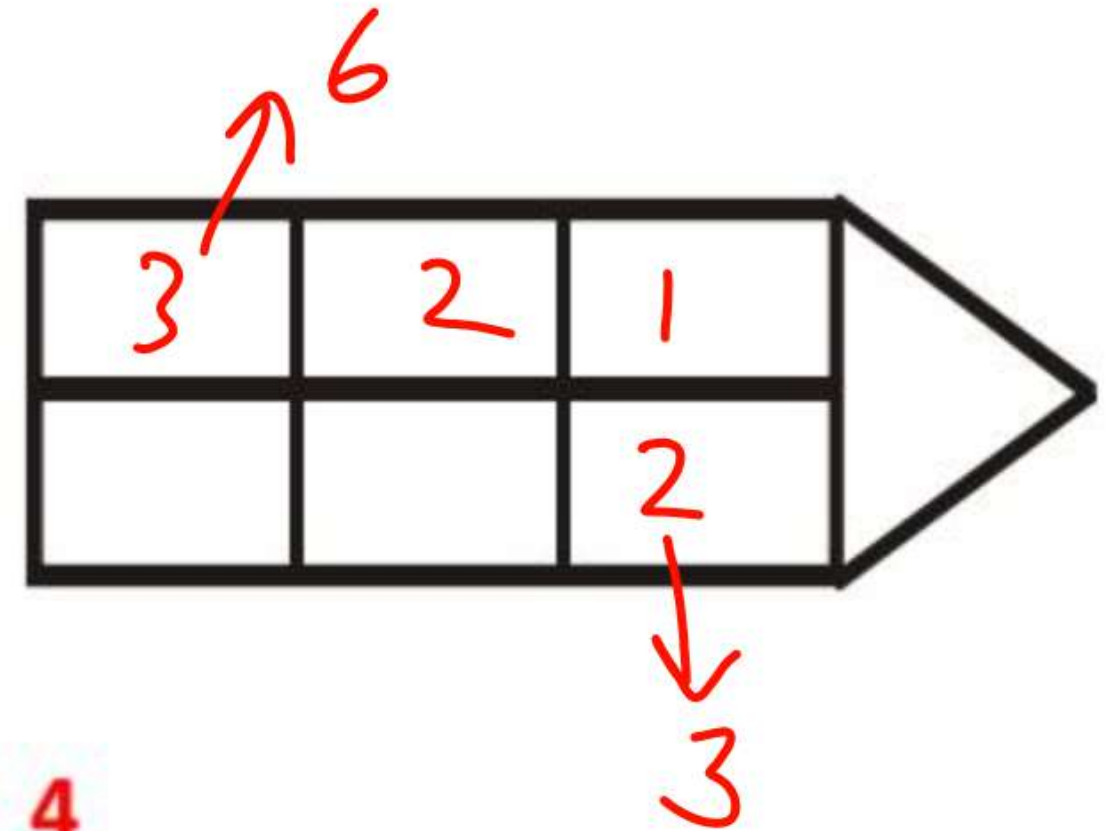
(b) 13

(c) 9

(d) 15

Handwritten red text: $11 + 2 = 13$

5. How many rectangles are there in the given diagram ?



(a) 4

(b) 7

(c) 9

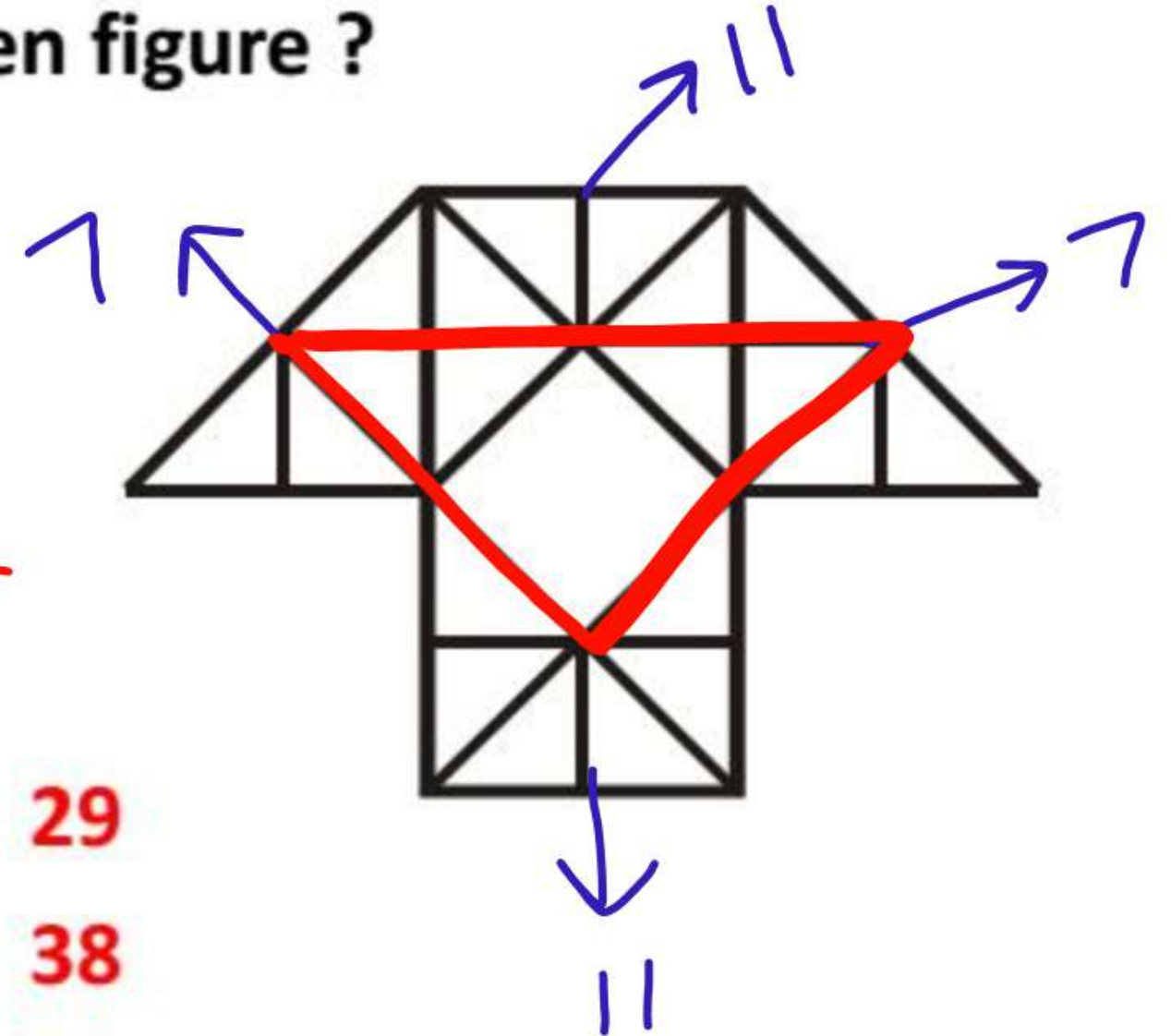
✓ (d) 18

$$6 \times 3 = 18$$

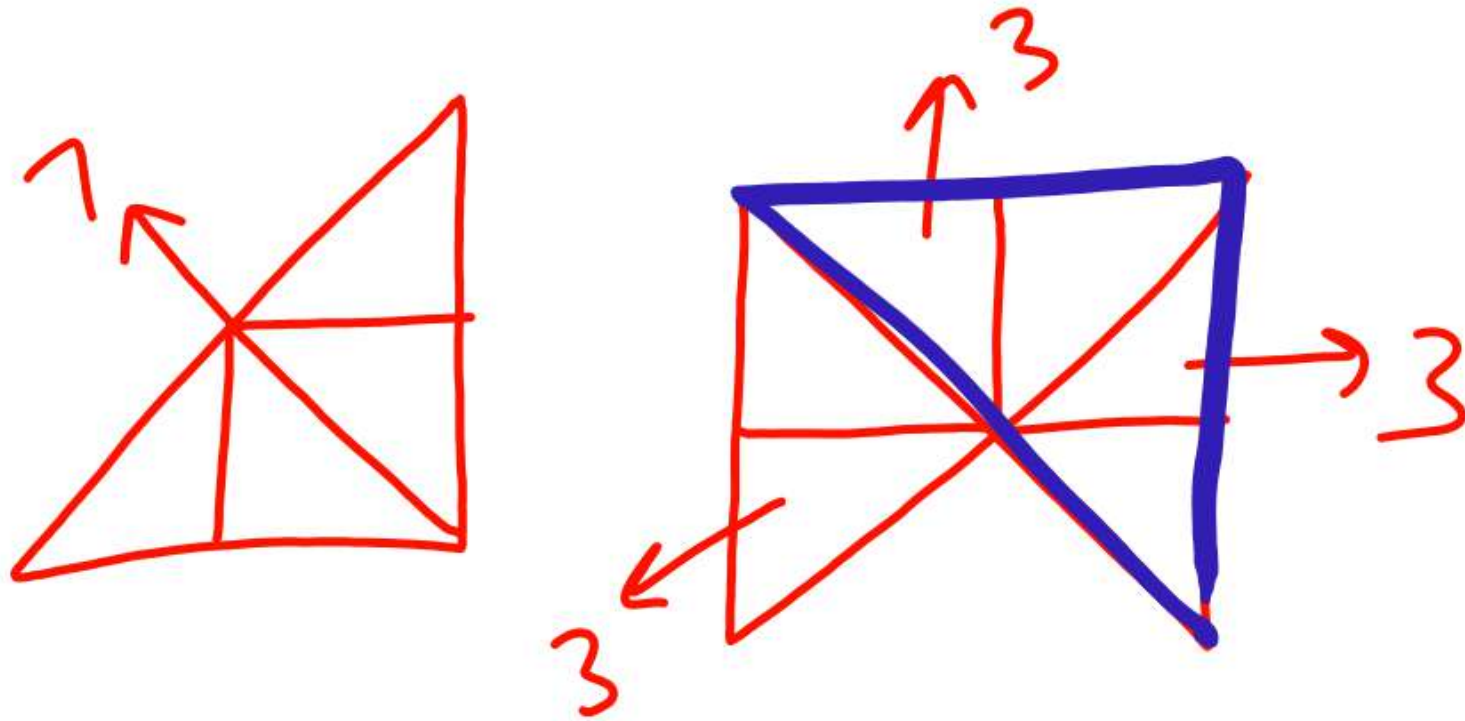
6. How many triangles are there in the given figure ?

$$\begin{aligned}
 &7 + 11 + 7 + 11 \\
 &= 36 + 4 = 40 + 2 + 2 \\
 &= 44 + 1 \\
 &= \textcircled{45}
 \end{aligned}$$

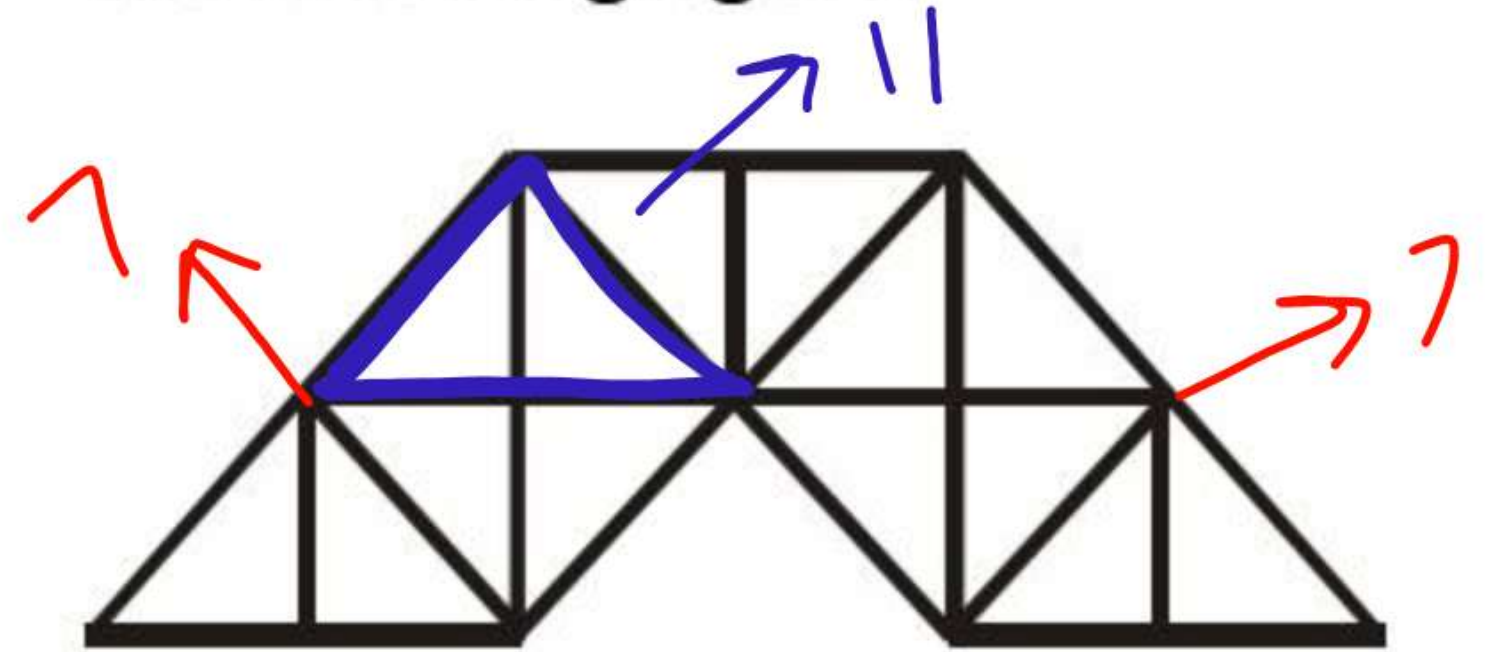
✓✓



- (a) 29
- (b) 38
- (c) 40
- (d) 35



9. Count the number of triangles in the following figure.



(a) 29

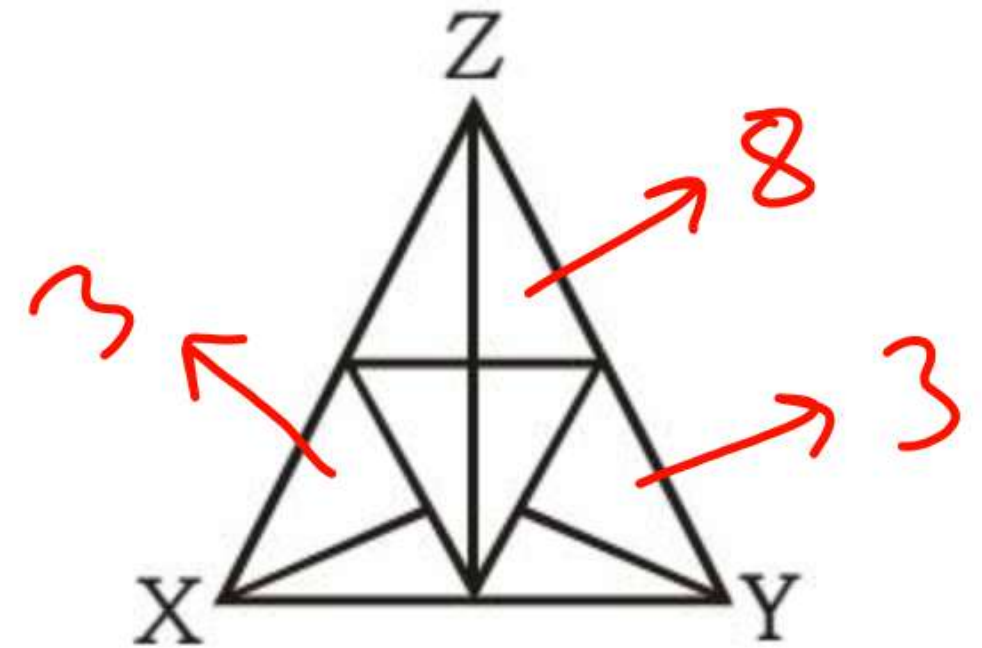
(b) 23

(c) 33

(d) 31

$$7 + 11 + 7 = 25 + 4 = 29$$

10. Find the number of triangles in the given figure.



✓ (a) 17

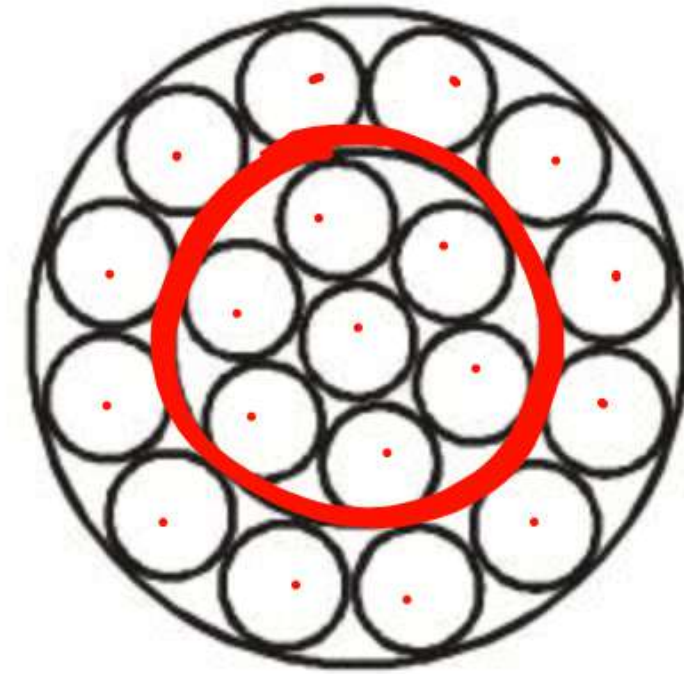
(b) 15

(c) 13

(d) 9

$$8 + 3 + 3 = 14 + 3 = 17$$

11. How many circles are there in this figures ?



(a) 19

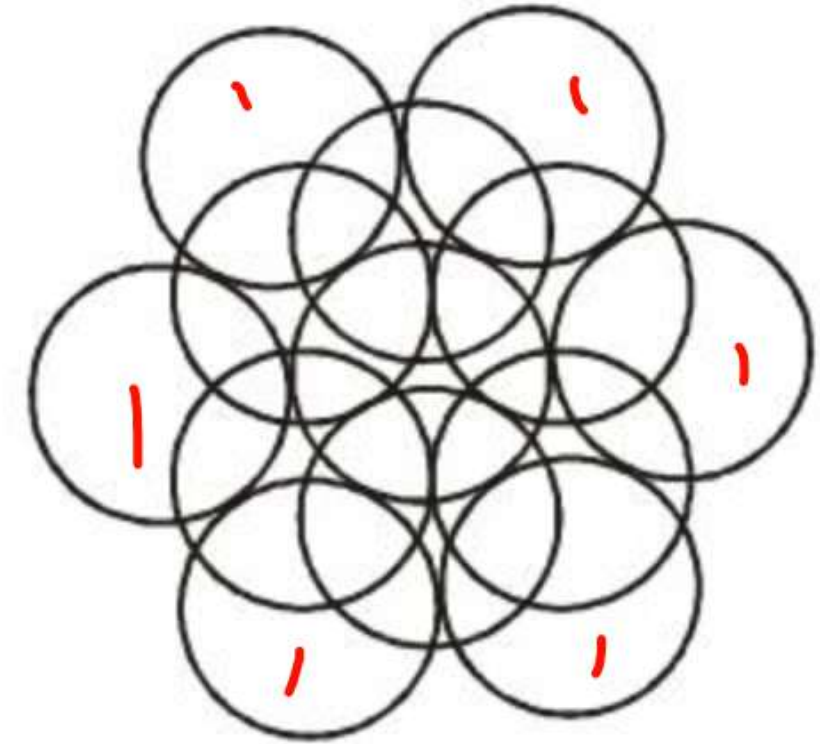
(b) 18

(c) 17

(d) 21

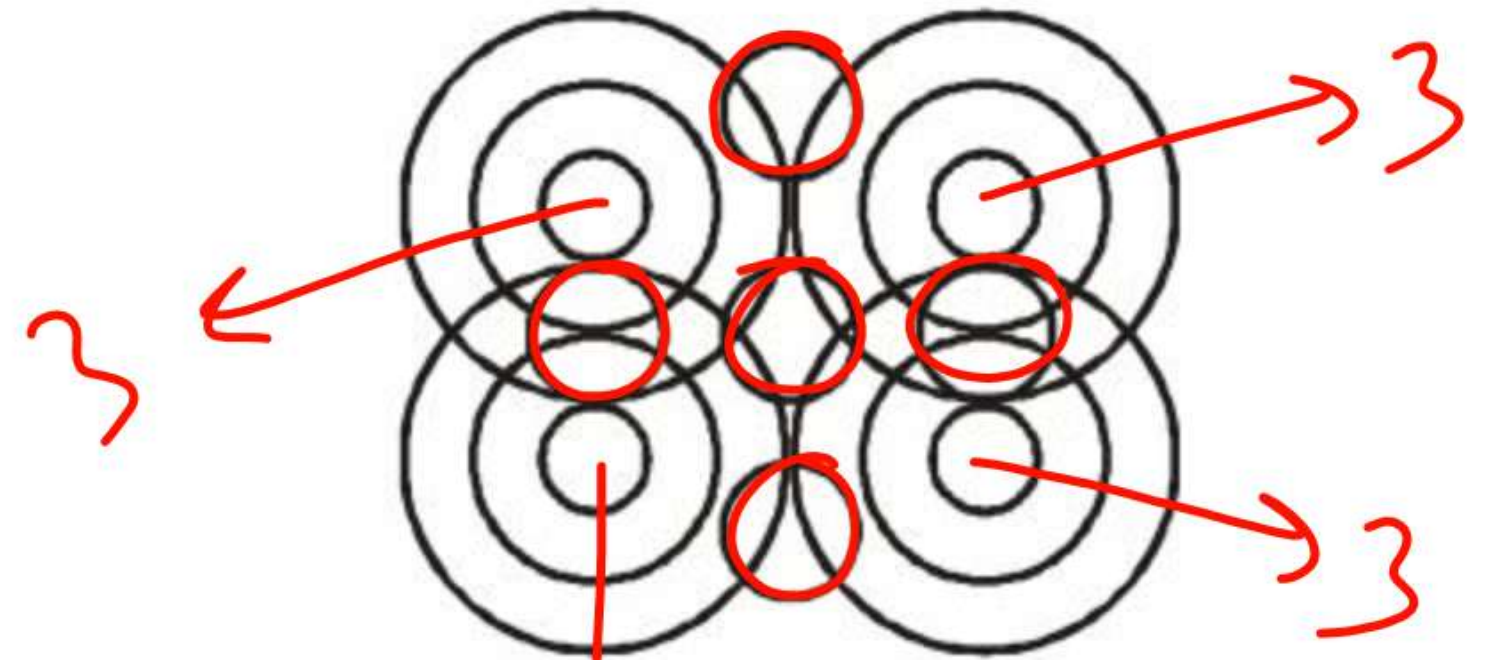


17. How many circles are there in the following figure ?



- (a) 12
✓✓ (b) 13
(c) 14
(d) 11

37. Find out the number of circles in the given figure:



(a) 14

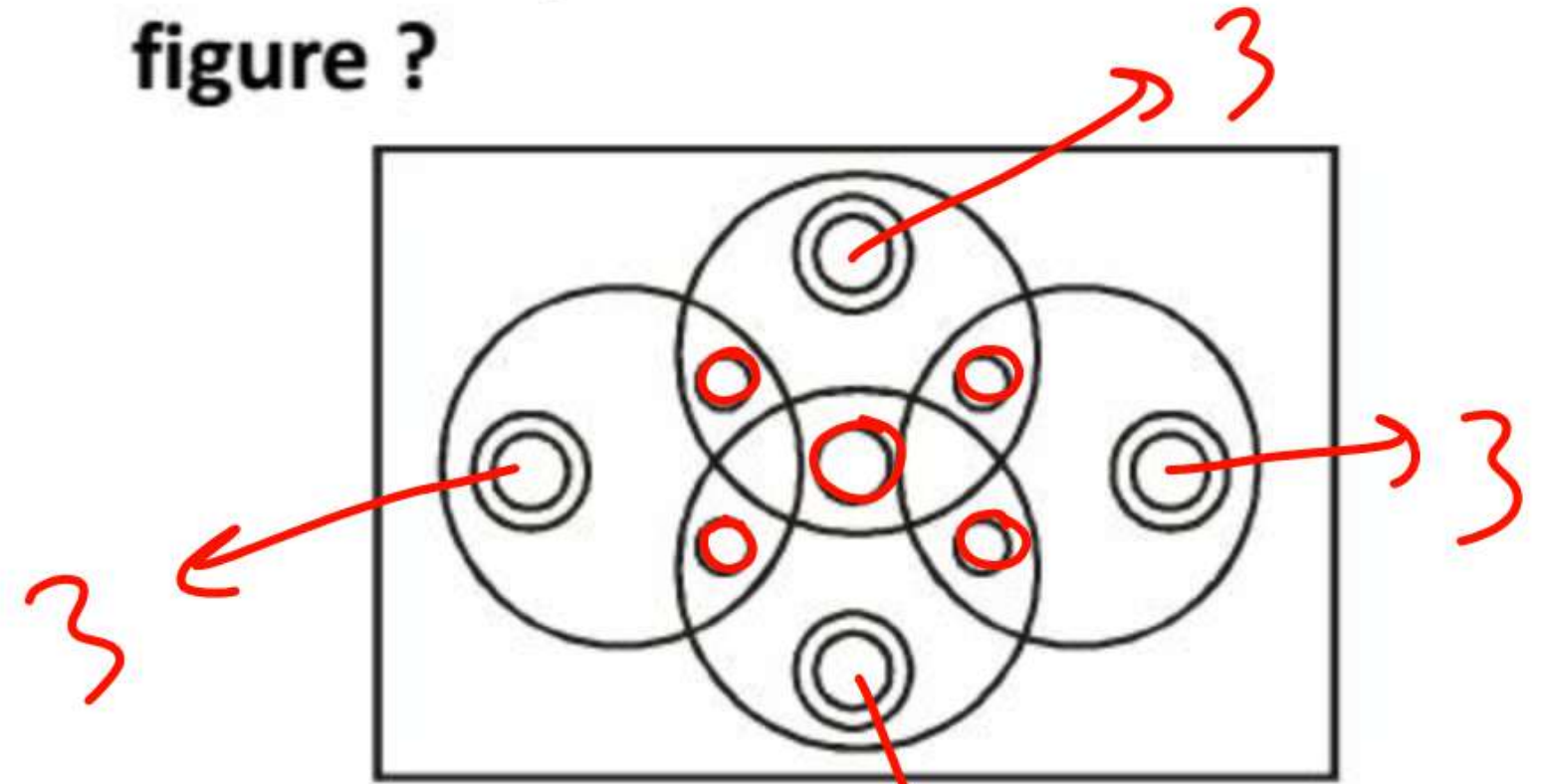
(b) 16

☒ (c) 17

(d) 18

$$12 + 5 = 17$$

38. How many circles are there in this figure ?



(a) 16

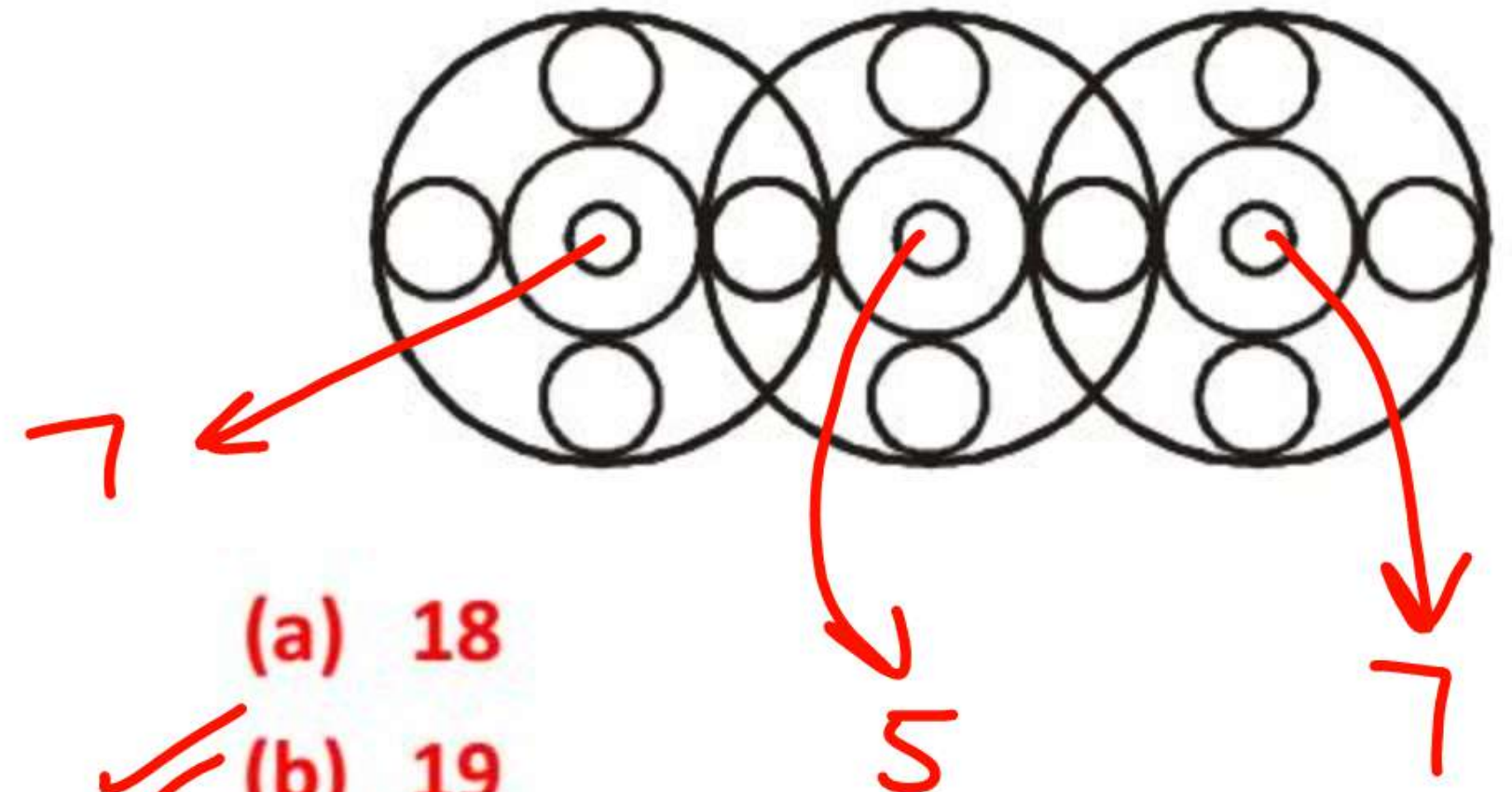
(b) 13

(c) 17

(d) 22

$$12 + 5$$

39. Find out the number of circles in the given figure.



(a) 18

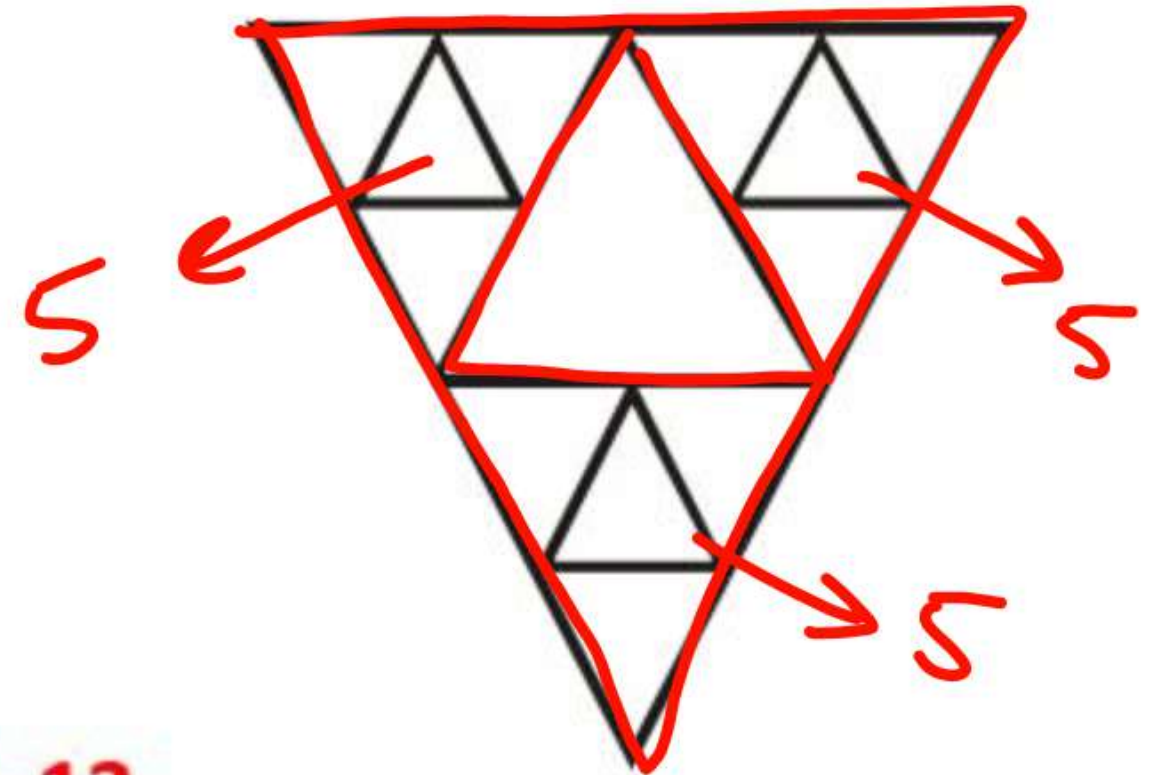
✓✓ (b) 19

(c) 16

(d) 20

$$7 + 7 + 5$$

40. The number of triangle in the following diagram is:



$$15 + 2 = 17$$

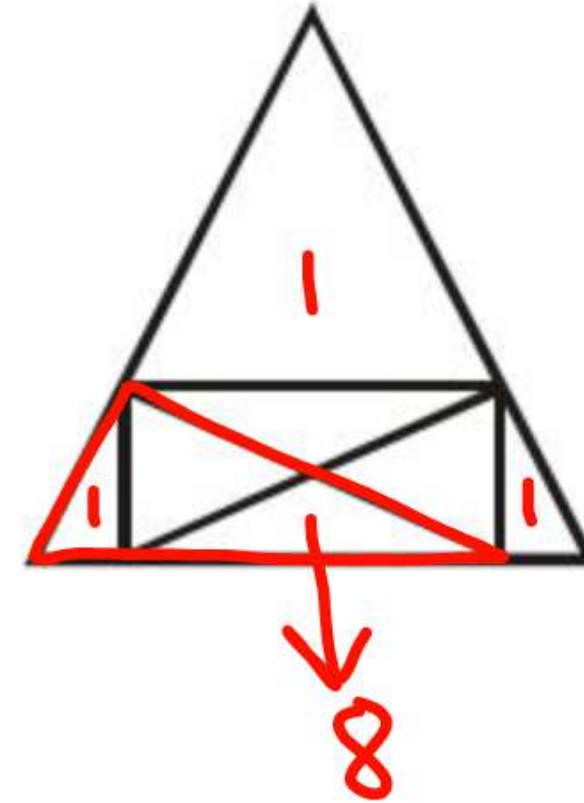
(a) 13

(b) 14

(c) None

✓ (d) 17

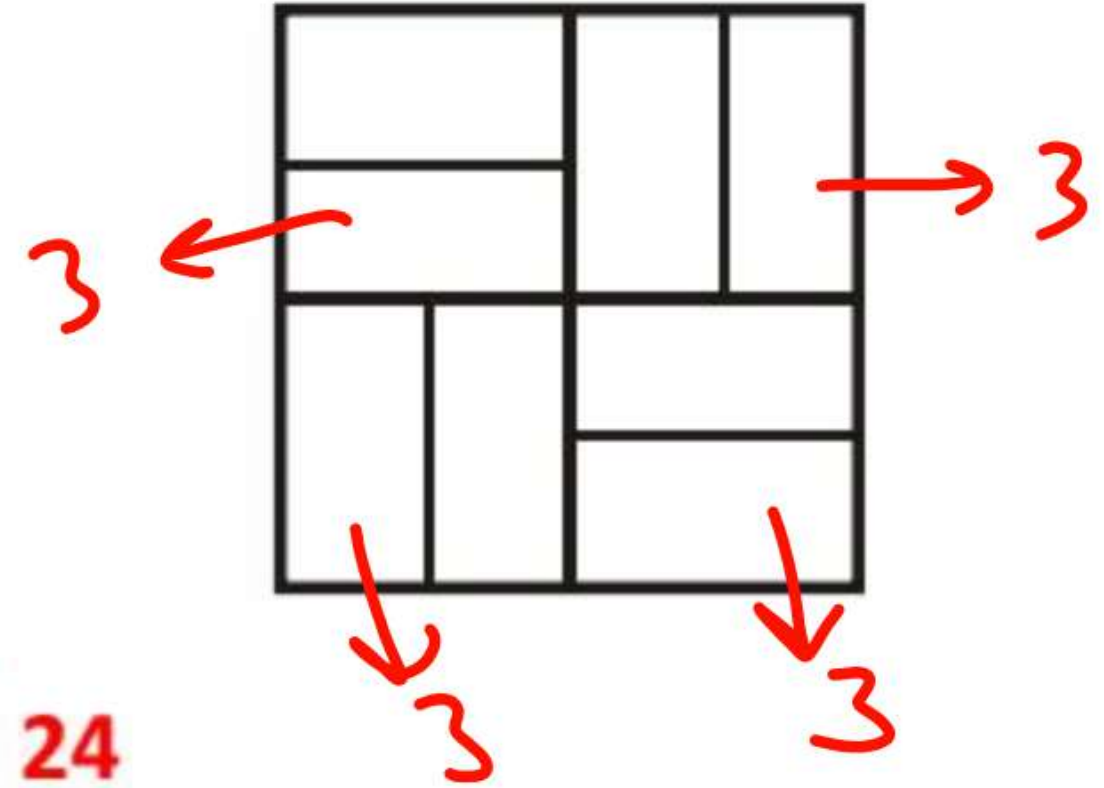
41. Find the number of triangles in the following figure:



- ✓✓ (a) 14
(b) 10
(c) 12
(d) 8

$$8 + 3 + 3 = 14$$

45. How many rectangles are there in the given figure ?



(a) 24

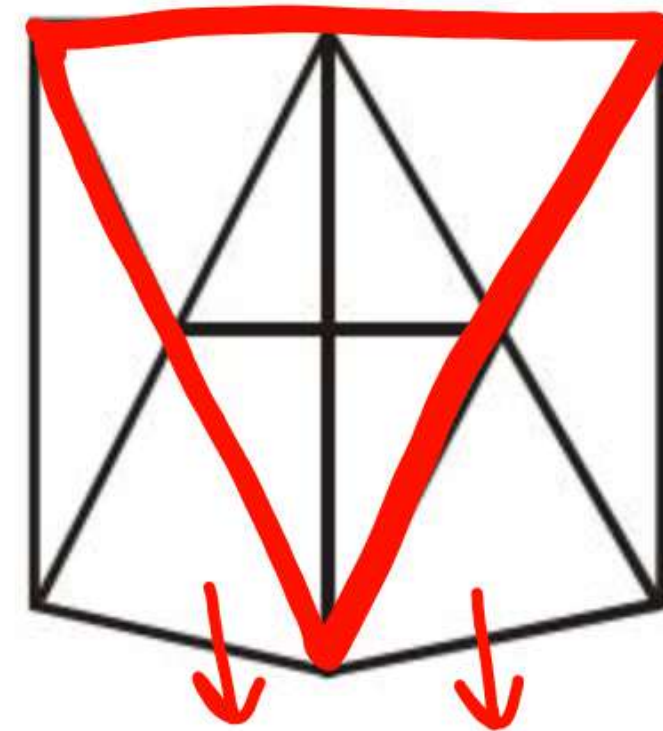
(b) 16

(c) 21

(d) 14

$$12 + 4 + 4 + 1 = 21$$

47.



(a) 26

(b) 24

(c) 18

(d) 20

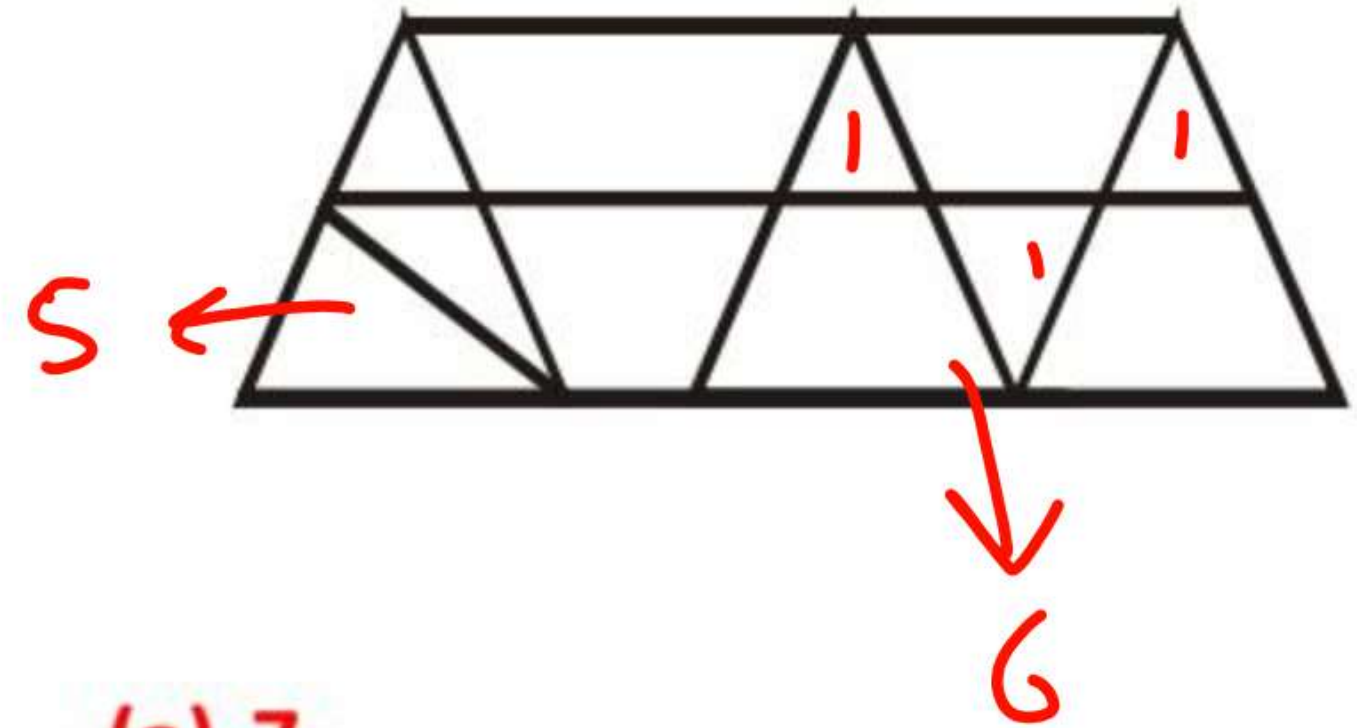
© 23 ✓

$$10 + 10$$

$$= 20 + 2 + 1$$

$$= 23$$

48.



(a) 7

(b) 8

(c) 9

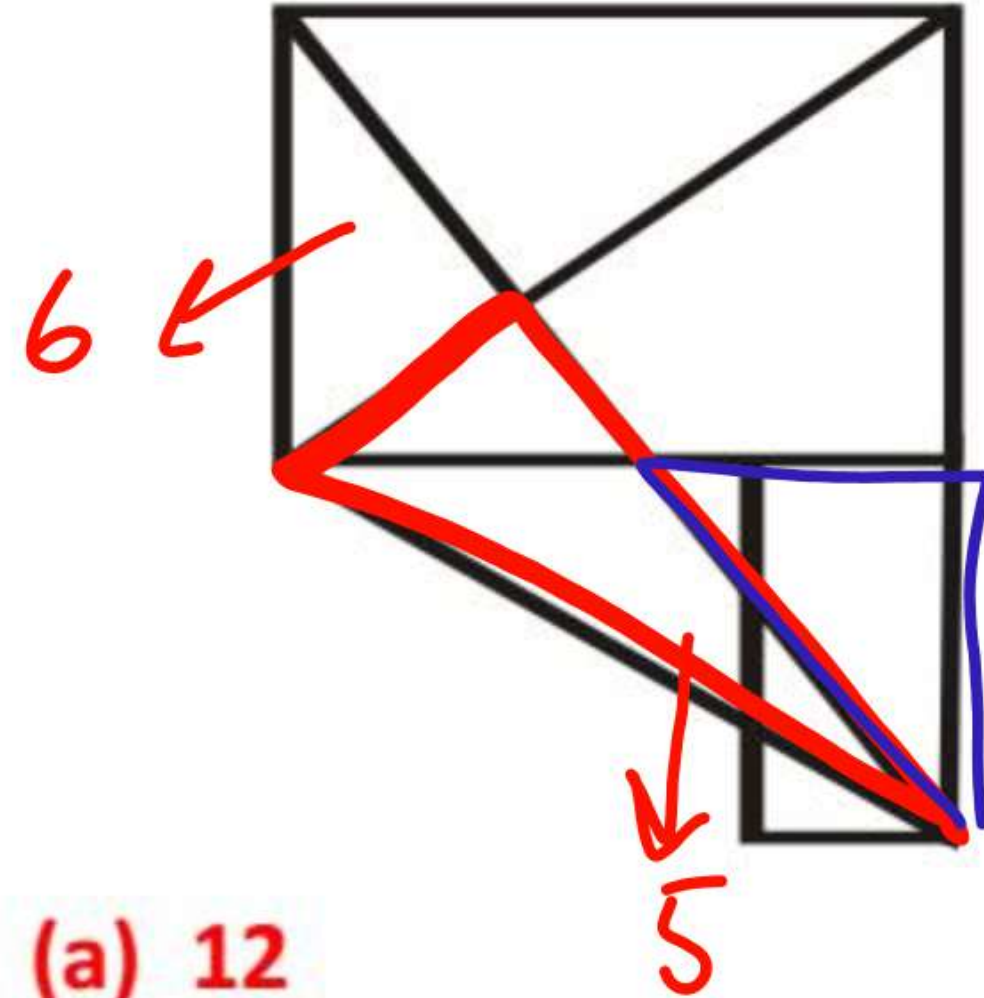
(d) 11

$$5 + 6 = 11$$



50.

$$6 + 6 = 12 + 5 = 17$$



(a) 12

(b) 11

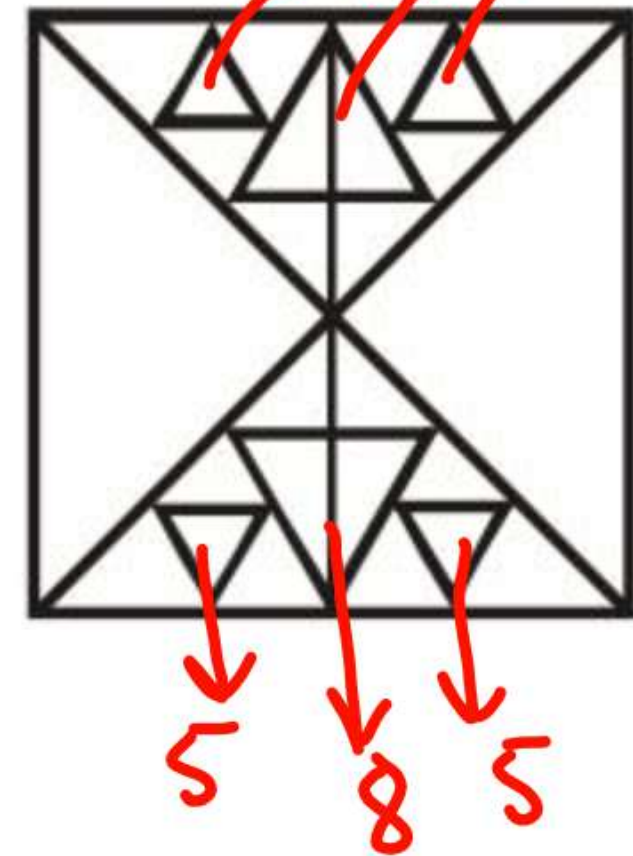
(c) 15

(d) 13

Ⓔ 17 ✓

51. Find out the number of triangles in the given figure.

$$20 + 8 + 8 = 36 + 12 = 48$$



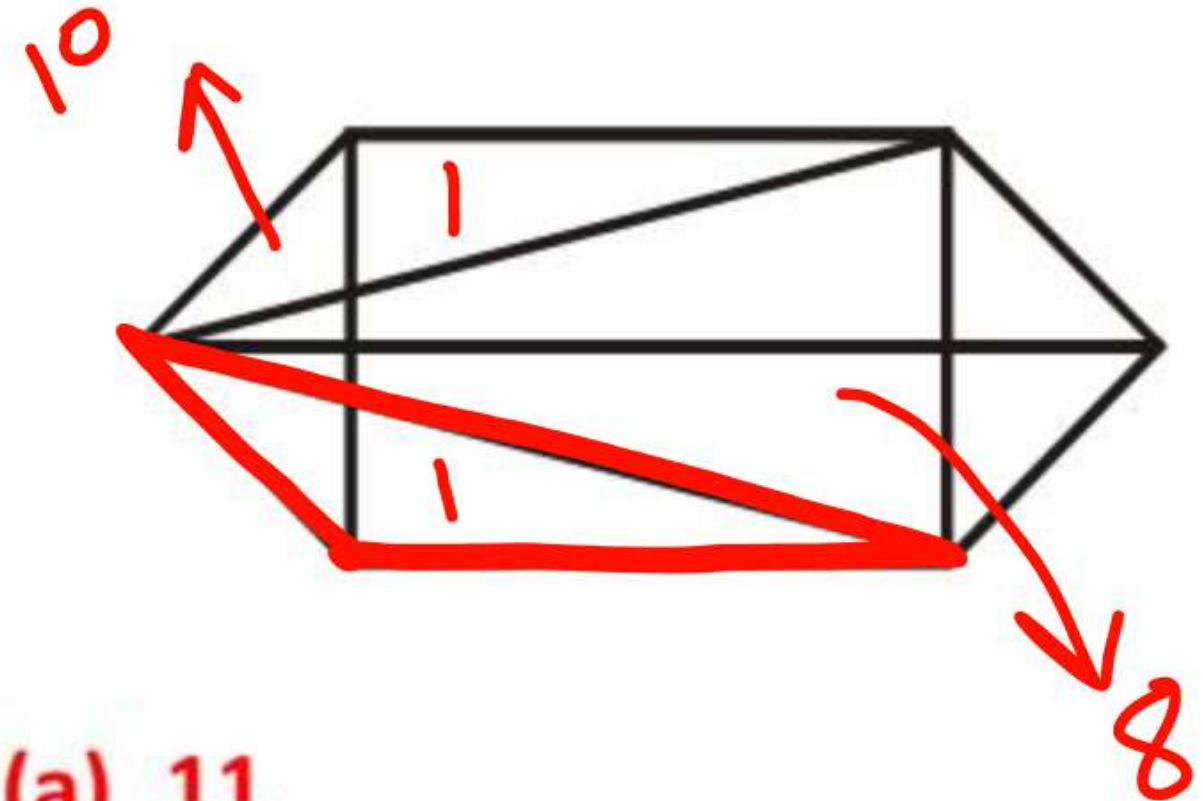
(a) 34

(b) 38

(c) 44

(d) 48 or more ✓

52. Find the number of triangles in the given figure:



(a) 11

(b) 14

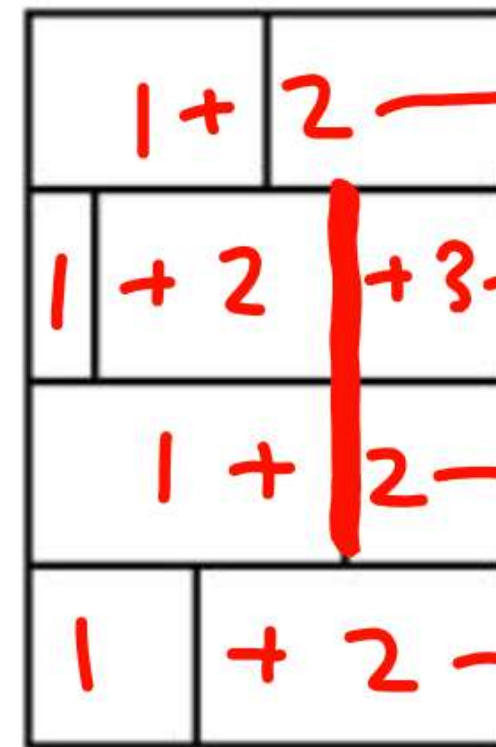
(c) 16

✓(d) 22 or more

$$10 + 8 + 2 + 2 = 22$$

How many quadrilaterals are there in the given figure?

दी गई आकृति में कितने चतुर्भुज हैं?



$$\begin{aligned}
 &15 + 3 + 2 + 1 \\
 &= 21 + 2 \\
 &= 23
 \end{aligned}$$

CHSL Tier-I, 09/03/2023 (Shift-1)

(a) 22

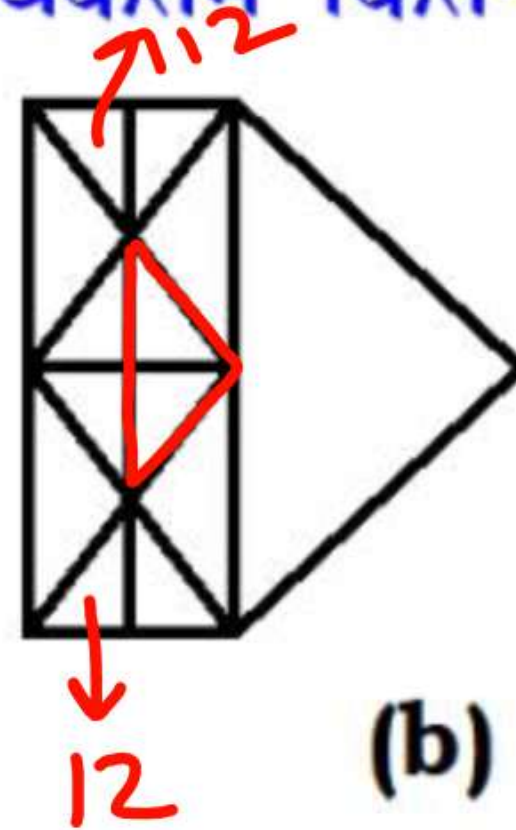
(b) 25

(c) 24

(d) 23

How many maximum triangles are there in the given figure?

दी गई आकृति में अधिकतम कितने त्रिभुज हैं?



- ☒ (a) 29
- (c) 30

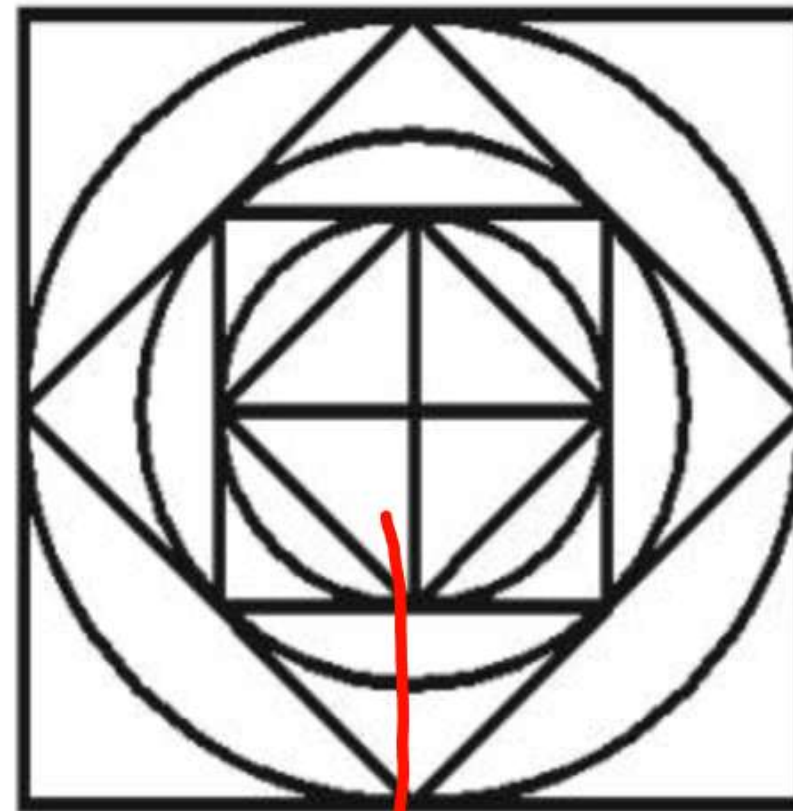
- (b) 27
- (d) 31

$$24 + 4 + 1 = 29$$

How many triangles are there in the given figure?

दी गई आकृति में कितने त्रिभुज हैं?

$$8 + 4 + 4 + 4 = 20$$



(a) 22

(c) 20 ✓

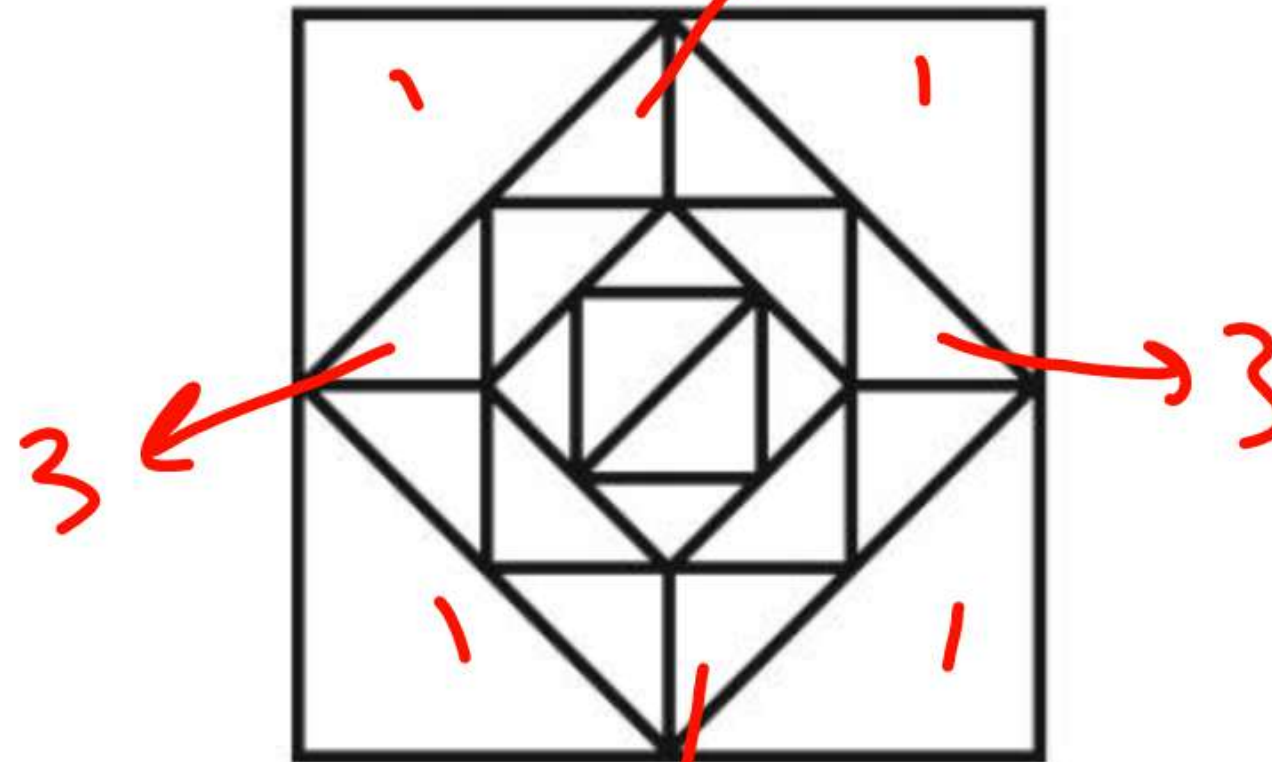
(b) 24

(d) 18

How many triangles are there in the given figure?

दी गई आकृति में कितने त्रिभुज हैं?

$$2 + 4 + 4 + 1 + 2 + 4 \\ = 26$$



(a) 30

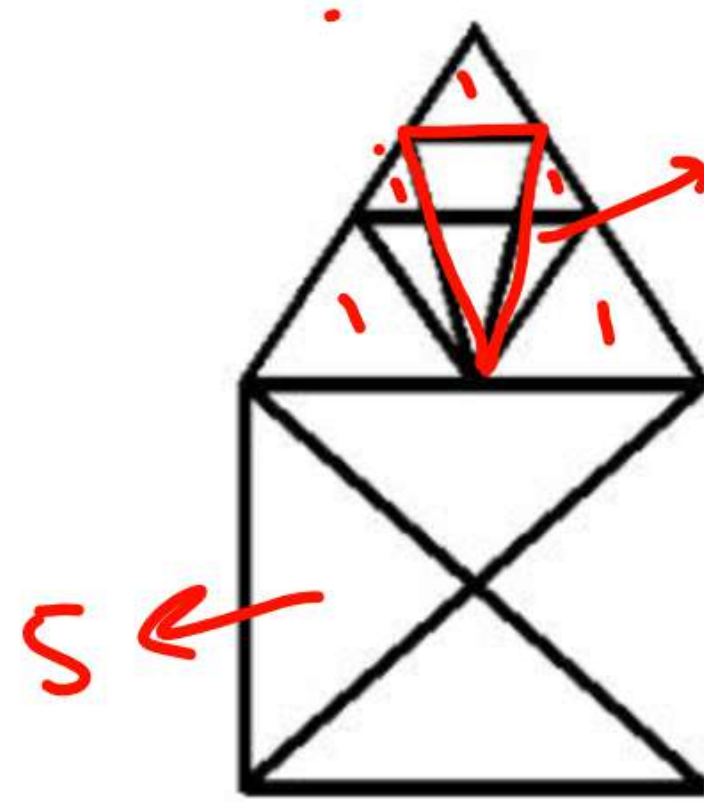
(c) 28

(b) 24

(d) 26

Find how many triangles are there in the given figure.

दी गई आकृति में त्रिभुजों की संख्या ज्ञात करें।



$$6 + 5 + 5 = 16$$

$$16 + 5 = 21 + 1 \\ = 22$$

(a) 24

(b) 21

(c) 22 ✓

(d) 23