MEGA REVISION SERIES

DAY 22

FOR BBA BBM BMS BCA

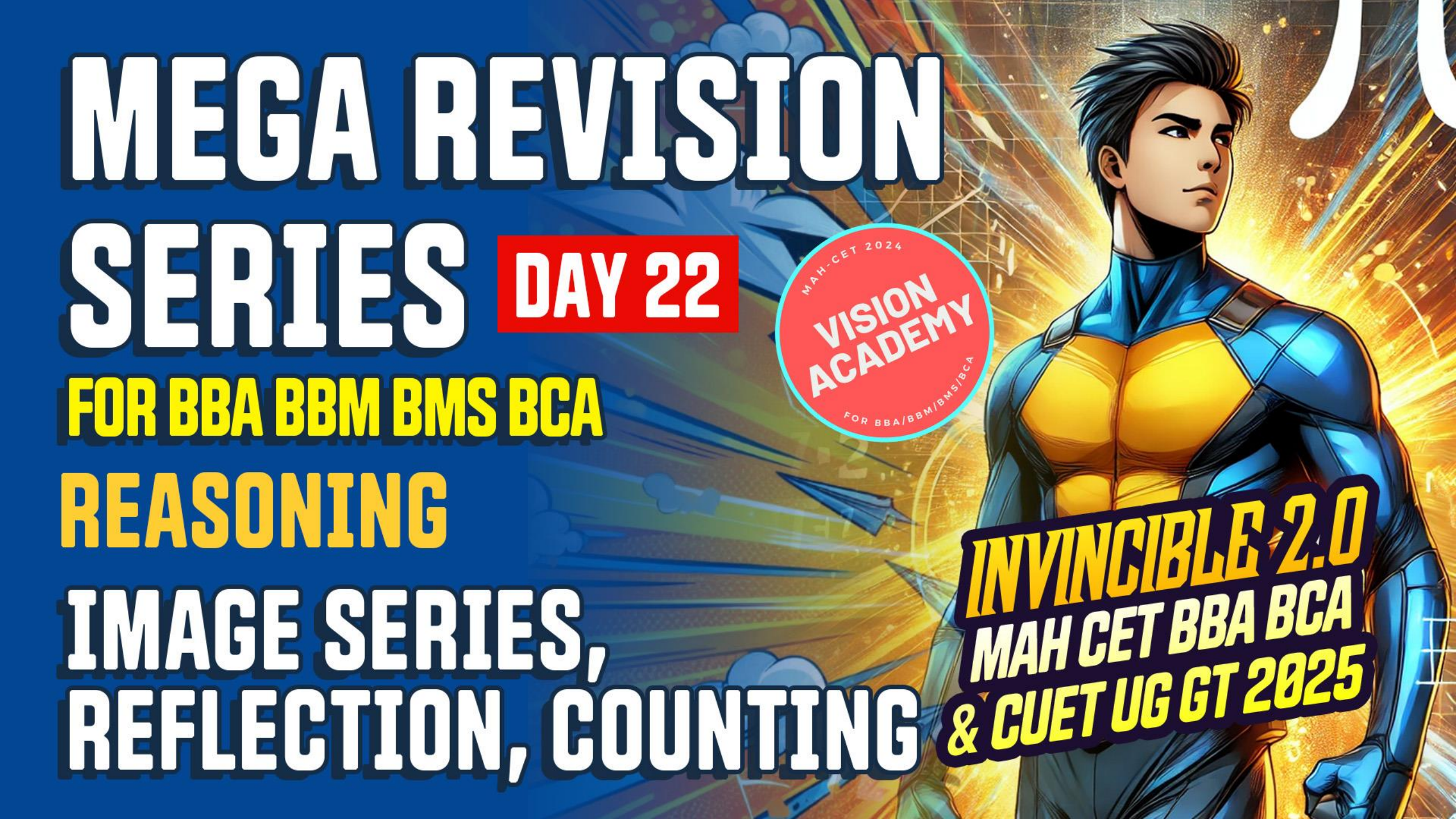
REASONING

IMAGE SERIES, REFLECTION, COUNTING

MAH-CET 2024

VISION ACADEMY

FOR BBA/BBM/BMS/BCA



INVINCIBLE 2.0

MAH CET BBA BCA

& CUET UG GT 2025

Don't just think.
Don't just talk.
Don't just dream.
None of that matters.

The only thing that matters
is that you actually do.

So: DO.

Jocko Willink

MAH-CET 2024
VISION ACADEMY
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Questions based on Images

- Pattern Series — (2)
- Counting
- Water Reflection / Mirror Image

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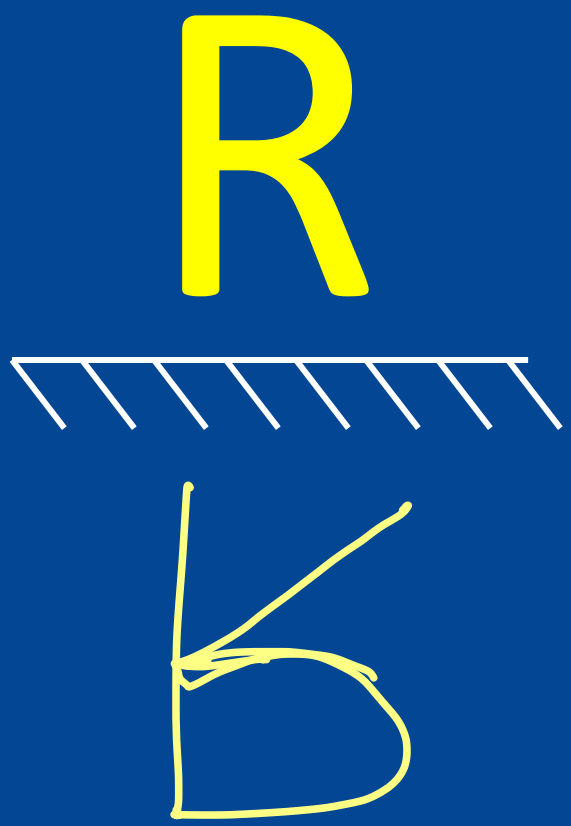
Mirror / Water Reflection

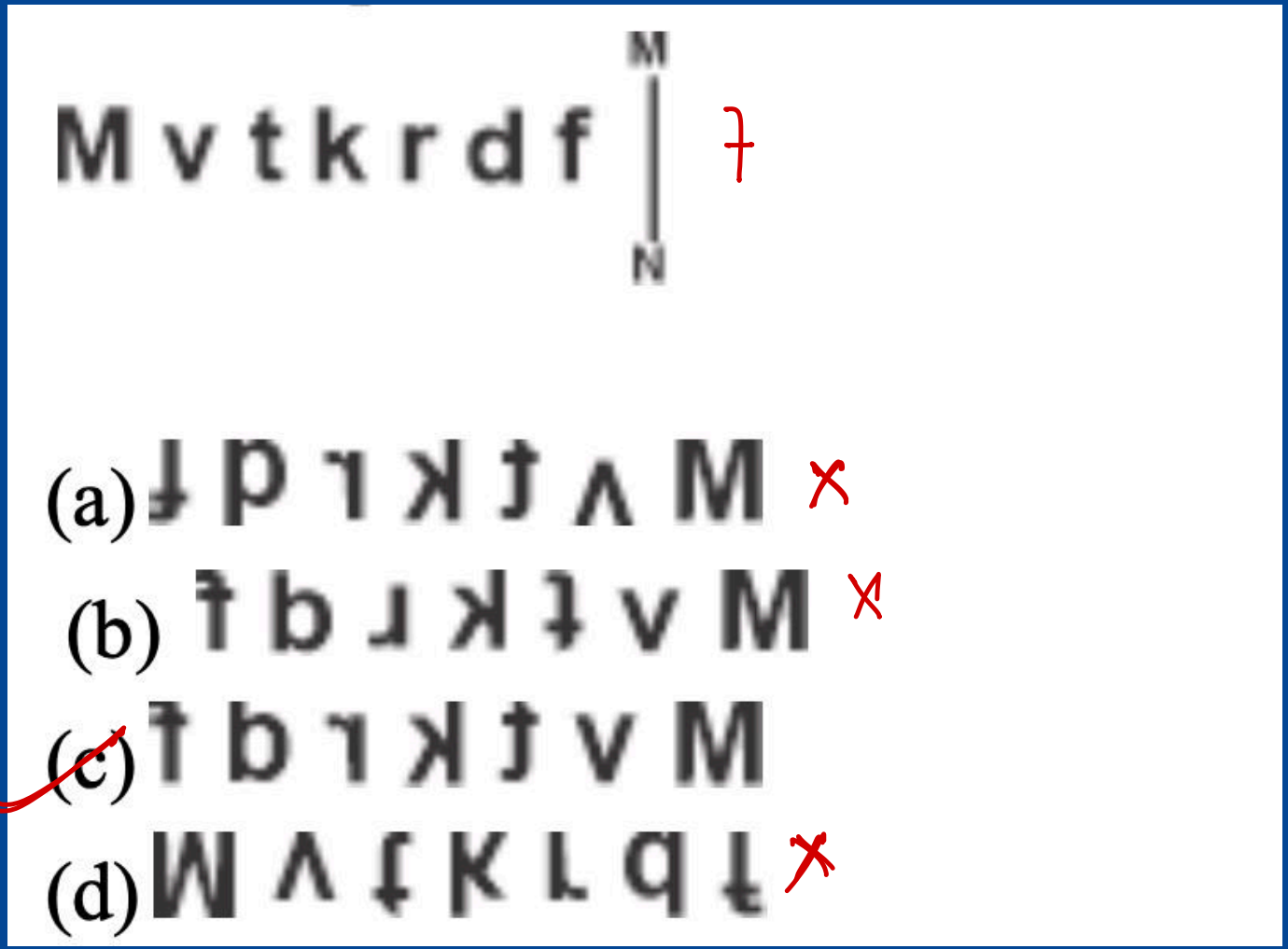


Letters	Mirror Images	Letters	Mirror Images	Letters	Mirror Images
A	A	J	ᒐ	S	Ƨ
B	ꓭ	K	ꓘ	T	T
C	Ɔ	L	⅃	U	U
D	ꓷ	M	M	V	V
E	Ǝ	N	И	W	W
F	ꟻ	O	O	X	X
G	ᘓ	P	ꟼ	Y	Y
H	H	Q	Ϙ	Z	Ƹ
I	I	R	Я		

Letters	Mirror-Images	Letters	Mirror-Images	Letters	Mirror-Images
a	ɐ	j	ɾ	s	s
b	d	k	ʞ	t	ʇ
c	ɔ	l	l	u	u
d	b	m	m	v	v
e	ǝ	n	u	w	w
f	ɟ	o	o	x	x
g	ƃ	p	q	y	ʏ
h	ɥ	q	p	z	z
i	i	r	ɹ	-	-

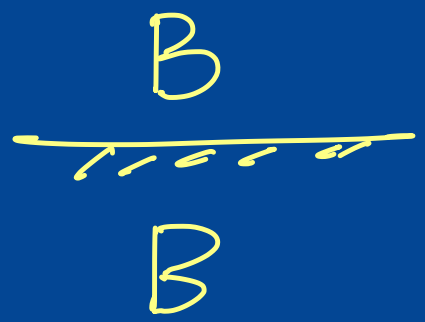
Numbers	Mirror Images
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

Select the correct mirror image of the given combination when the mirror is placed to the right side of it.



Letters / Shapes

Water Reflection



Water Images of Alphabets

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
∀	B	C	D	E	Ⅎ	⅁	H	I	ſ	K	Γ	W	N	O	Ԁ	Ό	Я	S	⊥	∩	Λ	M	X	⅄	Z

Letters	a	b	c	d	e	f	g	h	i
Water-Images	ɐ	q	ɔ	p	ǝ	ɟ	ɓ	ɥ	ᵎ
Letters	j	k	l	m	n	o	p	q	r
Water-Images	ſ	ʞ	l	ɯ	u	o	b	d	ɹ
Letters	s	t	u	v	w	x	y	z	--
Water-Images	ƨ	ʇ	n	ʌ	ʍ	x	ʎ	ƹ	--

Water Images of Numbers								
1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9

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EDZMKA

(a) 

(b) 

(c) 

(d) 

Image counting

1. Square
2. Triangle
3. Triangle in Square or Rectangle
4. Random Figure

Counting Squares when divided

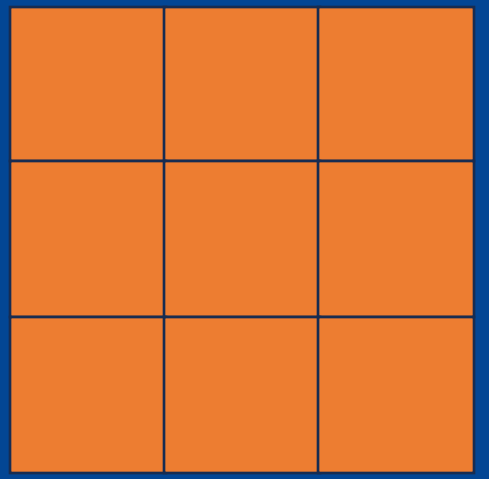
Formula:

Total Squares = $\frac{n(n+1)(2n+1)}{6}$

$= \frac{3(3+1)(3\times2+1)}{6}$

$= \frac{\overset{1}{\cancel{3}}\times\overset{2}{\cancel{4}}\times 7}{\cancel{6}_{2}}$

$= 14$



$n = 3$

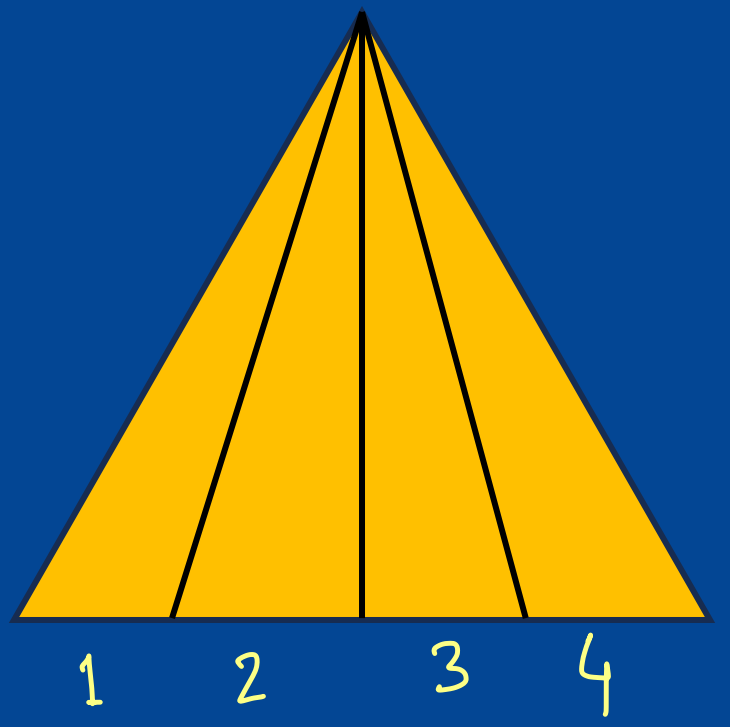
Counting Triangles when divided

Formula:

Total Triangles = $\frac{n(n+1)}{2}$

$= \frac{4(4+1)}{2_1}$

$= 2 \times 5 = 10$



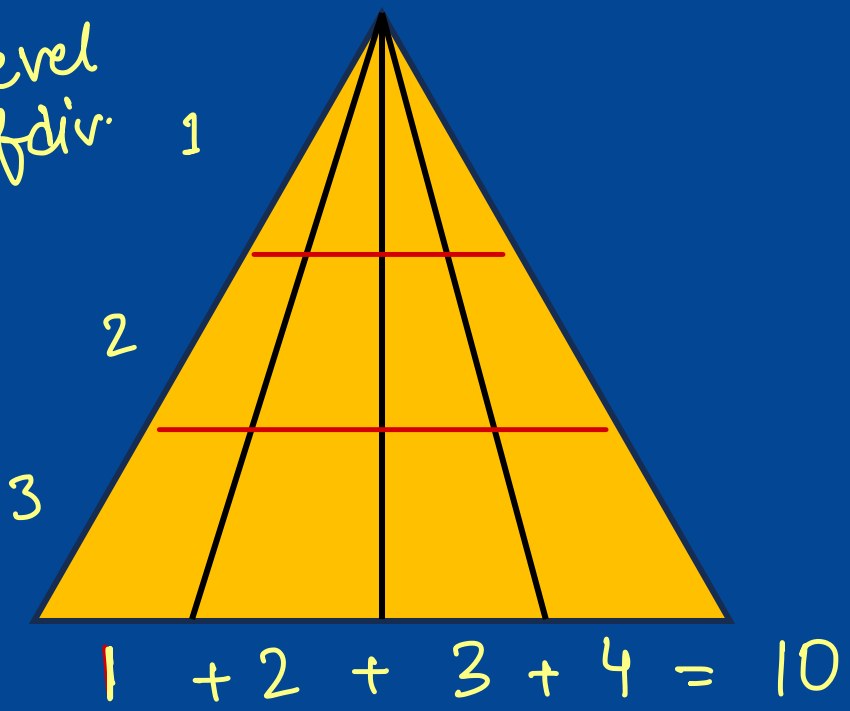
Counting Triangles when divided

Formula:

Total Triangles = Sum of base division × Level of div.

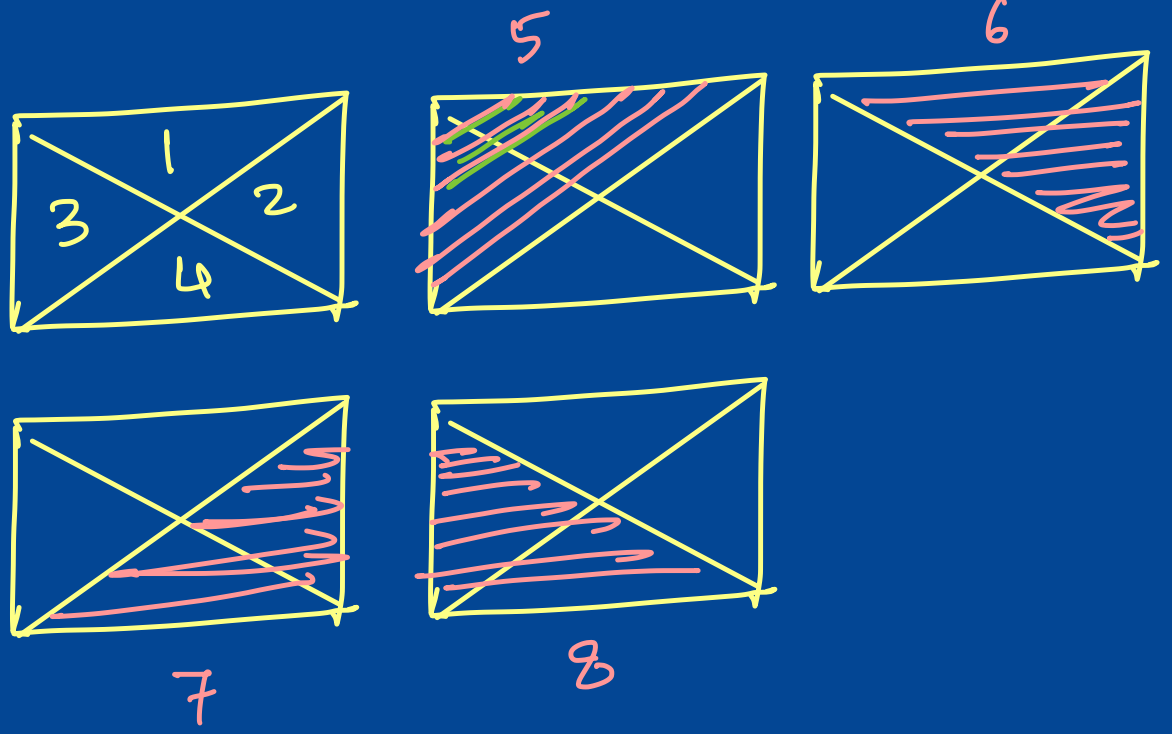
= 10 × 3

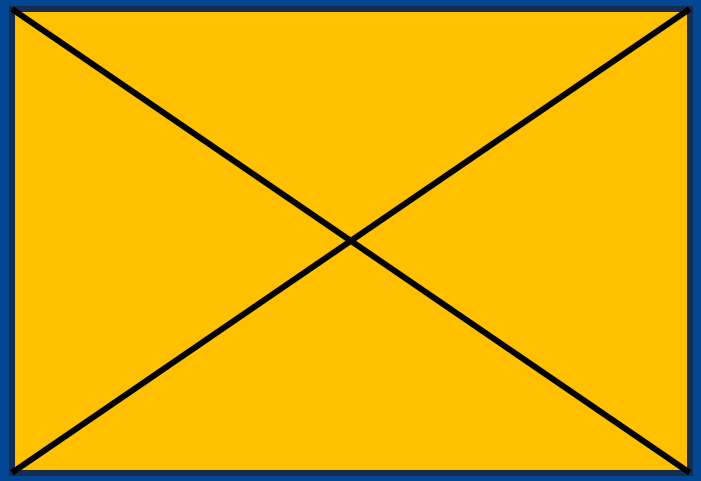
= 30



Counting Triangle in Square/Rectangle

Total Triangles = 8



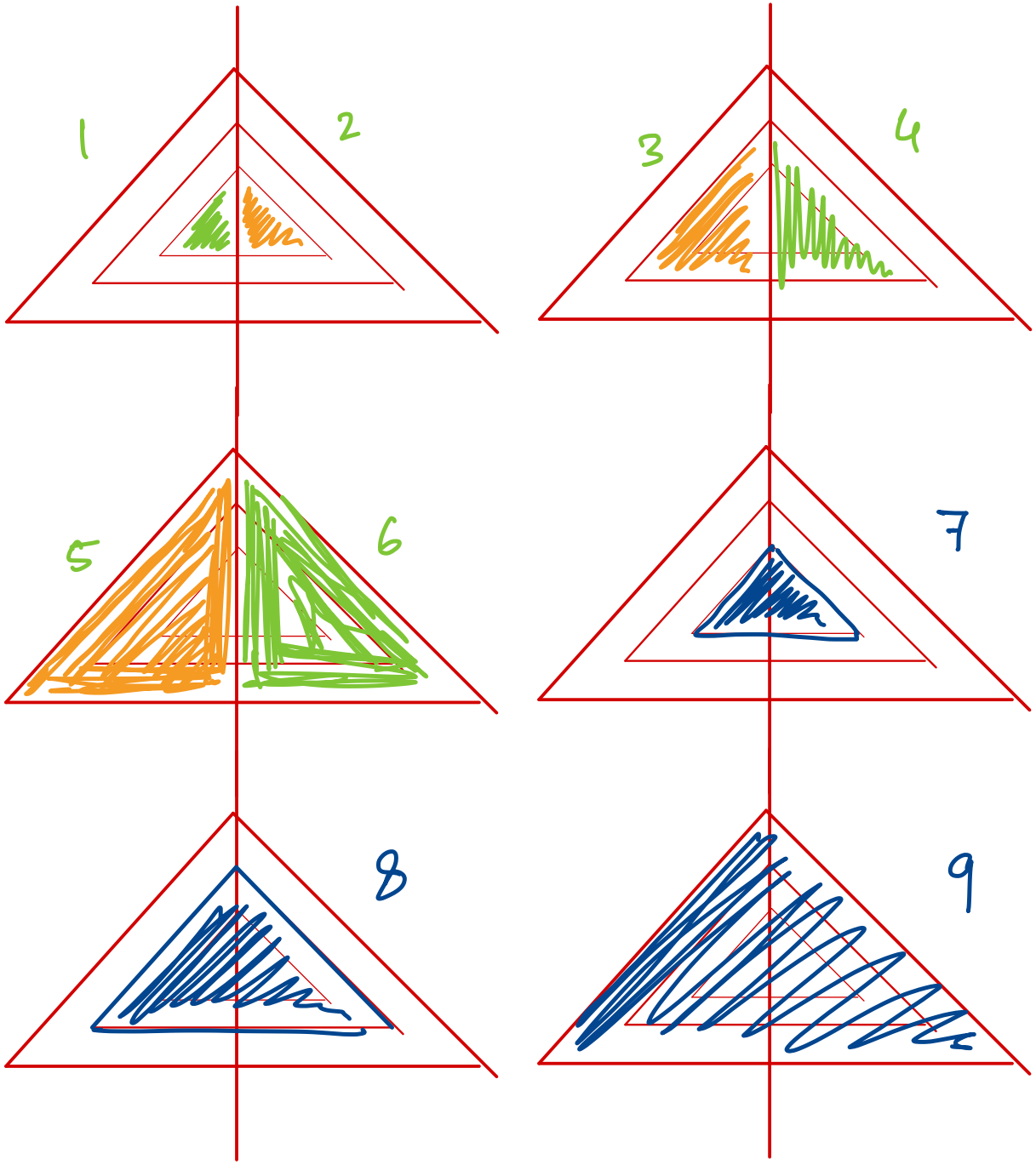


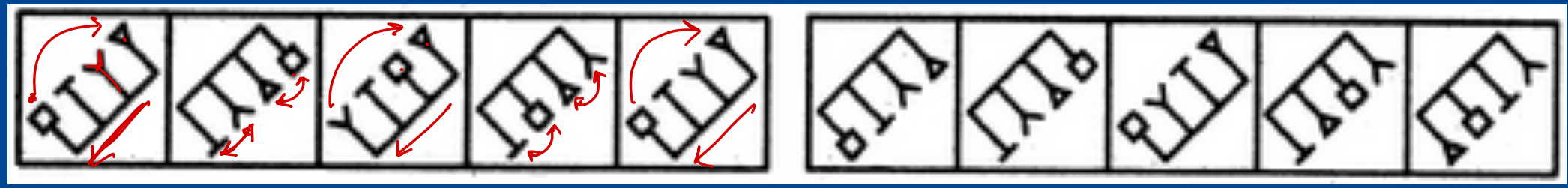
a – 10

b – 7

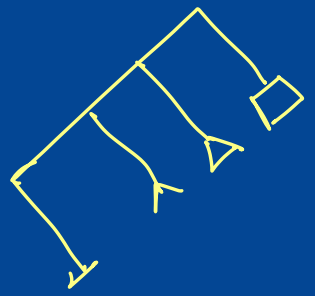
c – 9

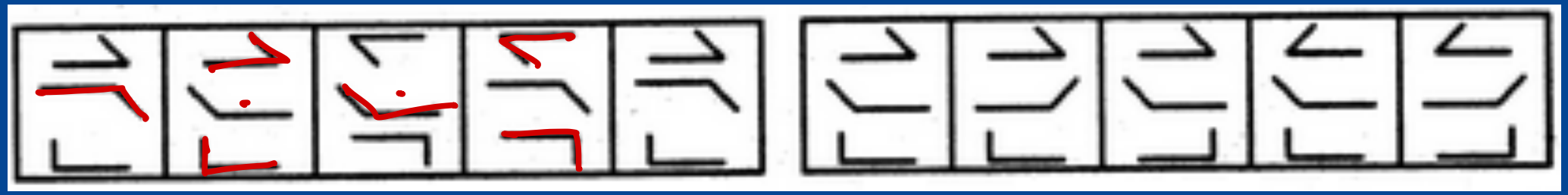
d – 6





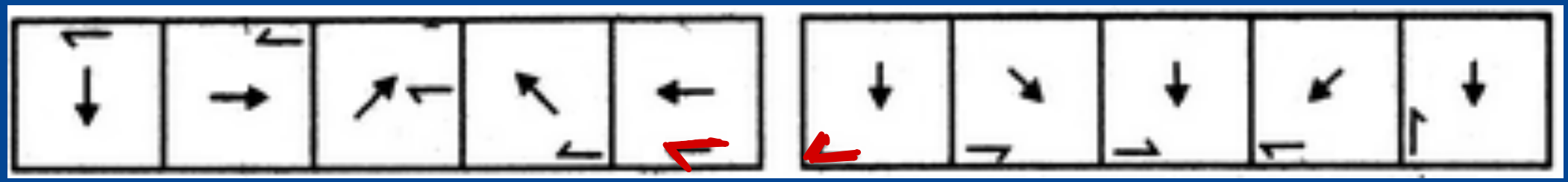
A. 1
B. 2
C. 3
D. 4
E. 5





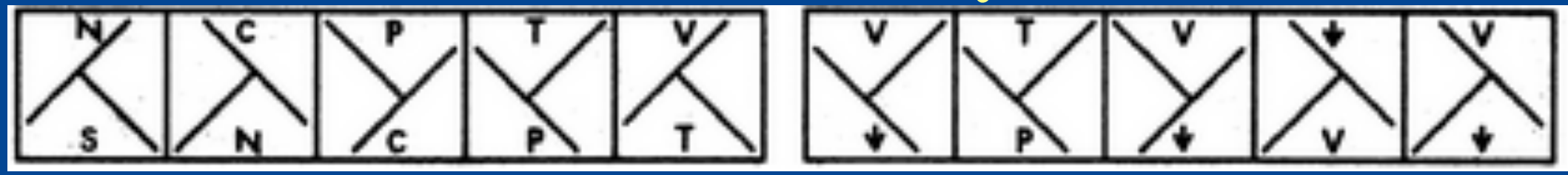
1 2 3 4 5

A. 1
B. 2
C. 3
D. 4
E. 5



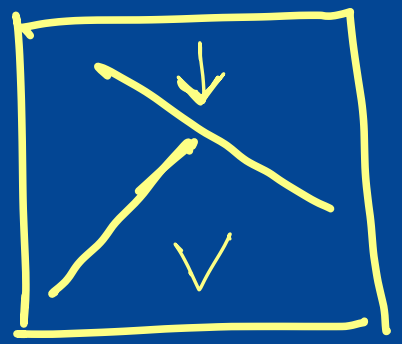
A. 1
B. 2
C. 3
D. 4
E. 5

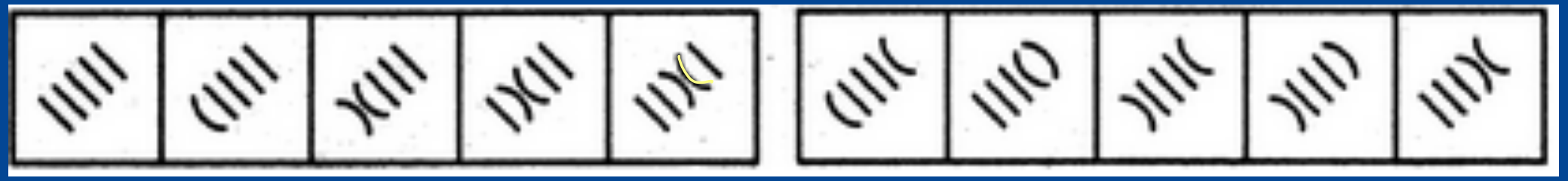
Image Series → Replacement



4

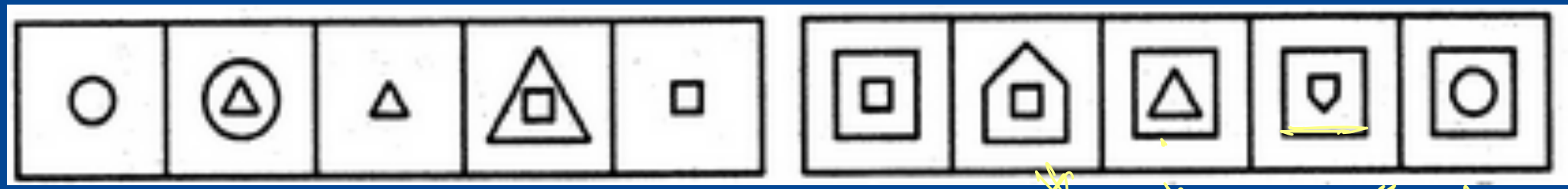
A. 1
B. 2
C. 3
D. 4
E. 5





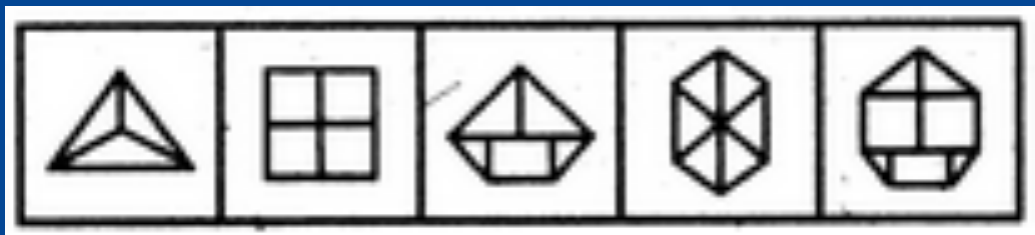
1 2 3 4 5

A. 1
B. 2
C. 3
D. 4
E. 5

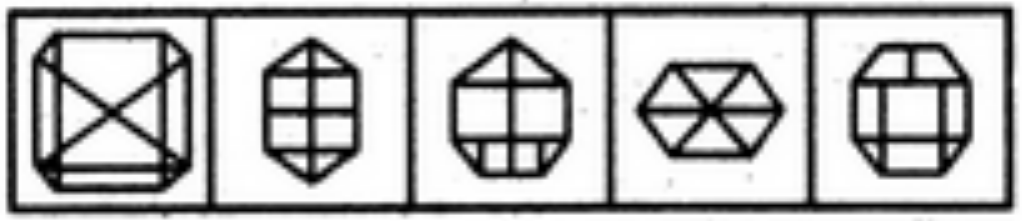


A. 1
B. 2
C. 3
D. 4
E. 5

3 4 5 6 7

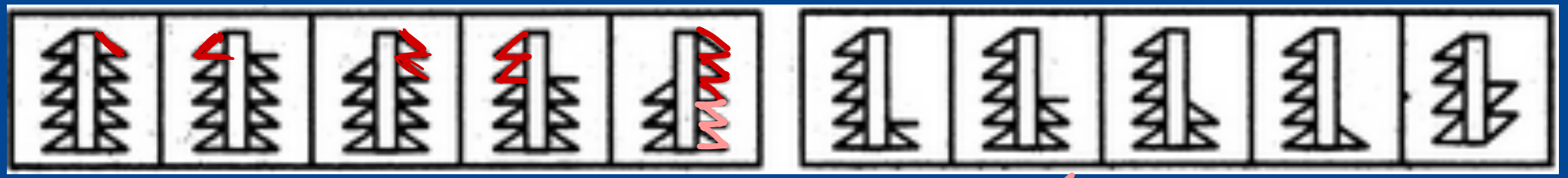


Hex.



1 2 3 4 5

A. 1
B. 2
C. 3
D. 4
E. 5



A. 1
B. 2
C. 3
D. 4
E. 5

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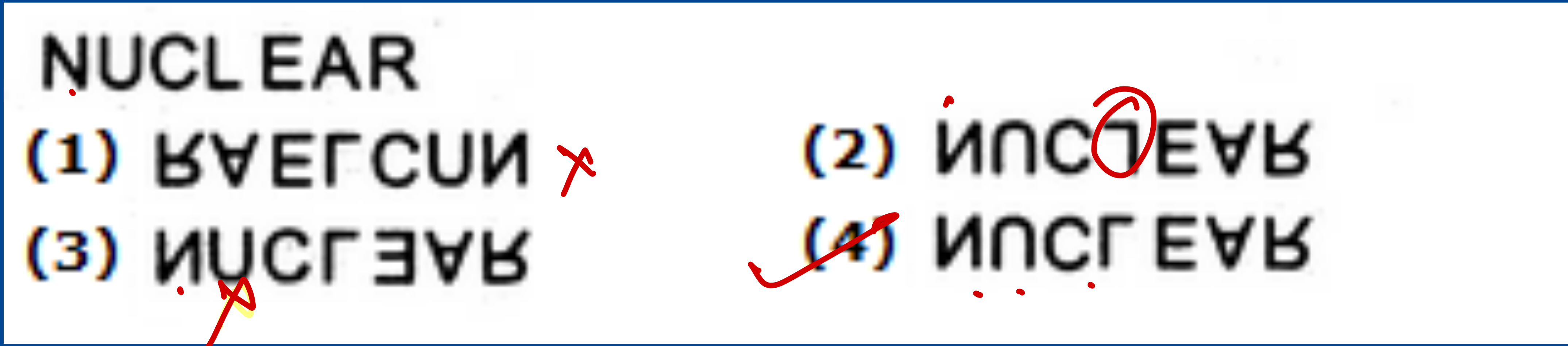
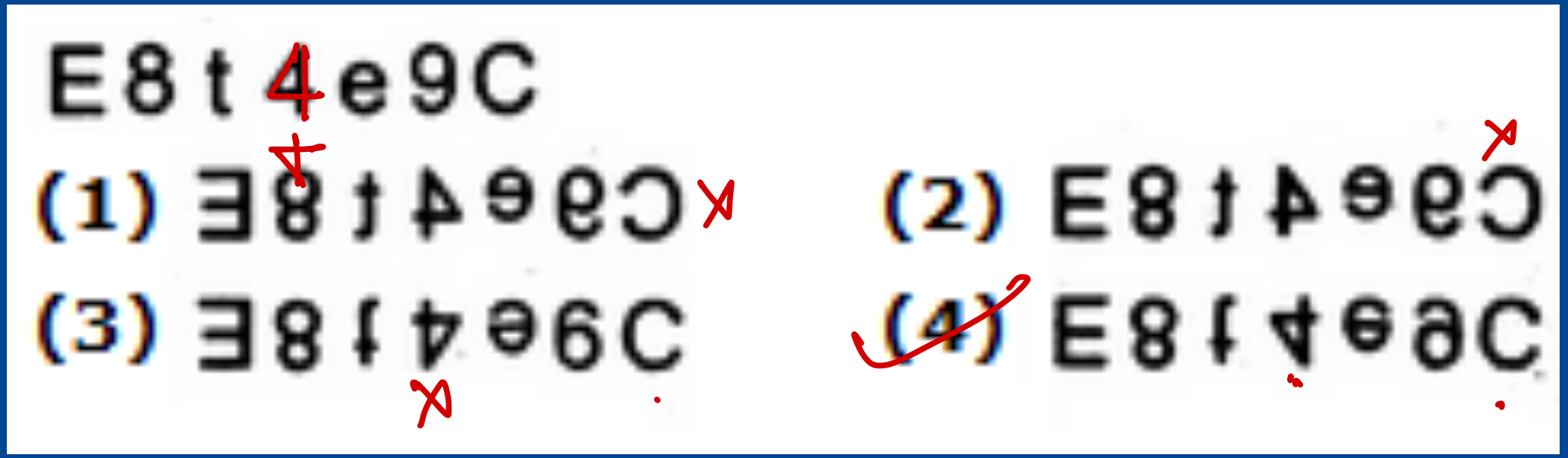
9:00 – 10:30
12:00 – 1:30
3:00 – 4:30

Choose the alternative which is closely resembles the water-image of the given combination.



N U C L E A R

Choose the alternative which is closely resembles the water-image of the given combination.



Choose the alternative which is closely resembles the water-image of the given combination.

ACOUSTIC

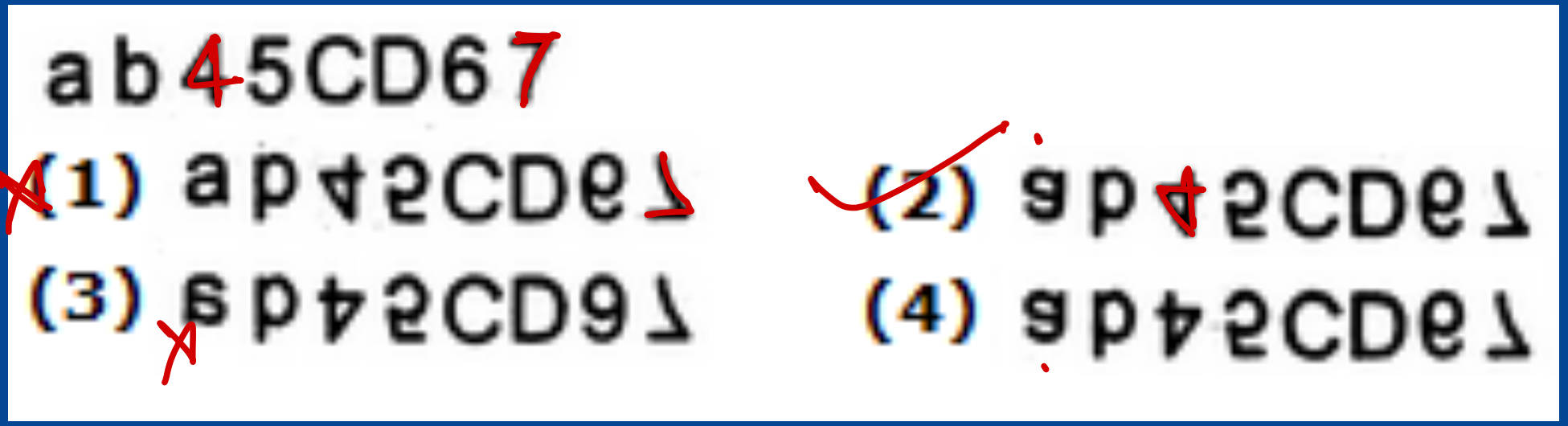
(1) 

(2) 

(3) 

(4) 

Choose the alternative which is closely resembles the water-image of the given combination.



Choose the alternative which is closely resembles the water-image of the given combination.

monday

(1) yadnom

(2) ʏʁbnom

(3) ʌɐquow

(4) ɯouqɘʌ

Choose the alternative which is closely resembles the water-image of the given combination.

RECRUIT

(1) 

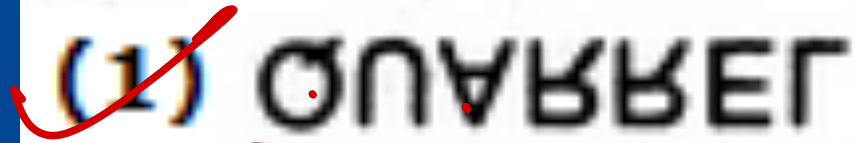
(2) 

(3) 

(4) 

Choose the alternative which is closely resembles the water-image of the given combination.

QUARREL

(1) 

(2) 

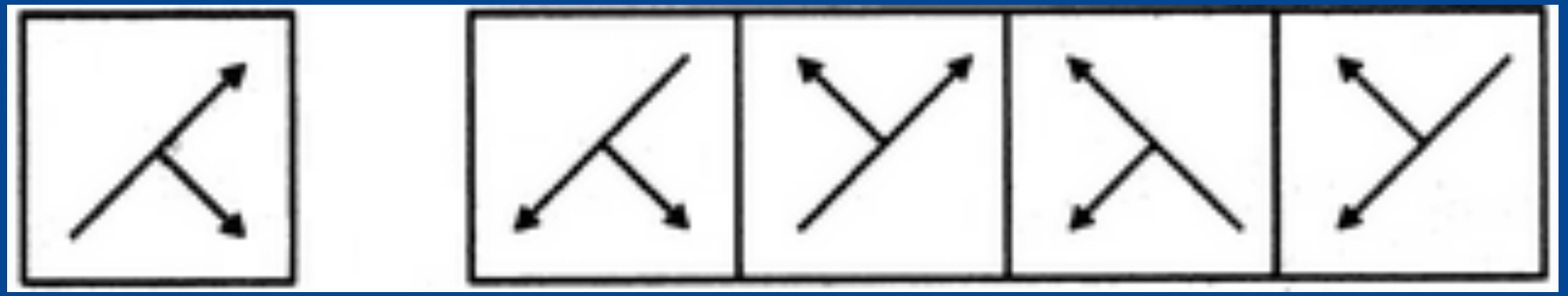
(3) 

(4) 

Choose the correct mirror image of the given figure from amongst the four alternatives.

A B C D

Choose the correct mirror image of the given figure from amongst the four alternatives.



A B C D

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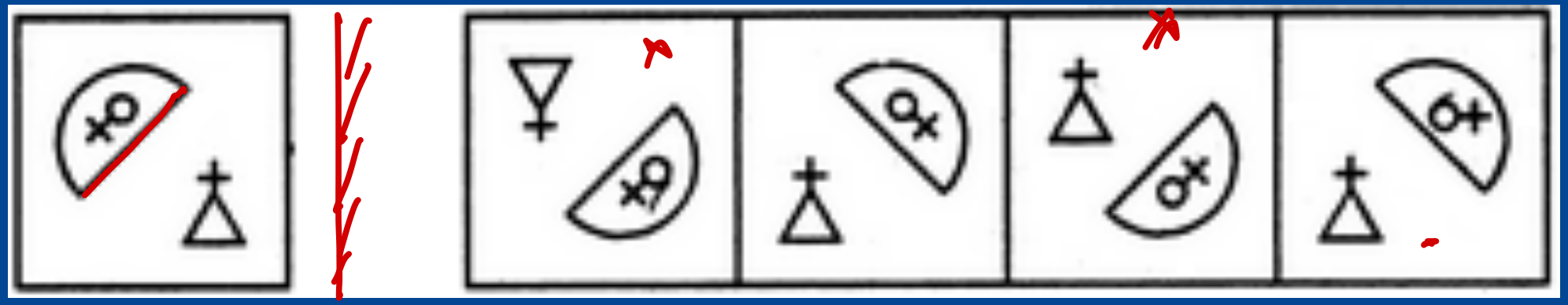
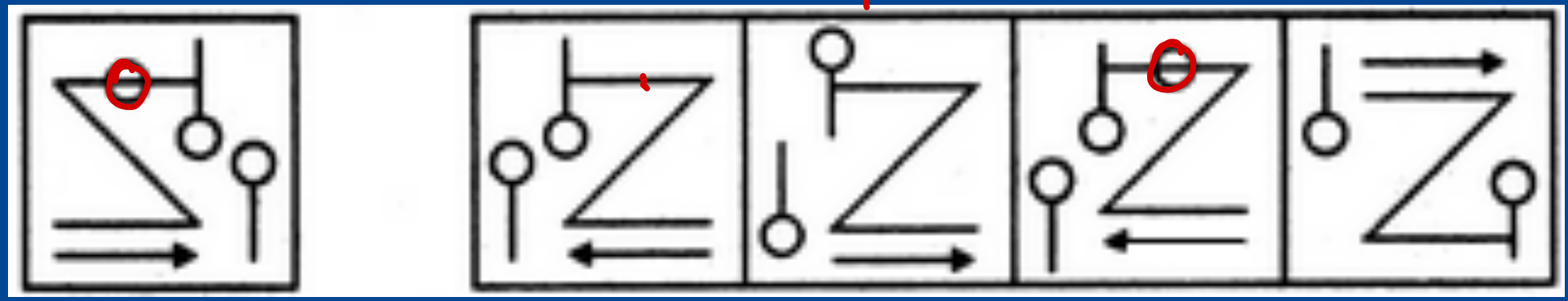
Choose the correct mirror image of the given figure from amongst the four alternatives.



A B C D

Choose the correct mirror image of the given figure from amongst the four alternatives.

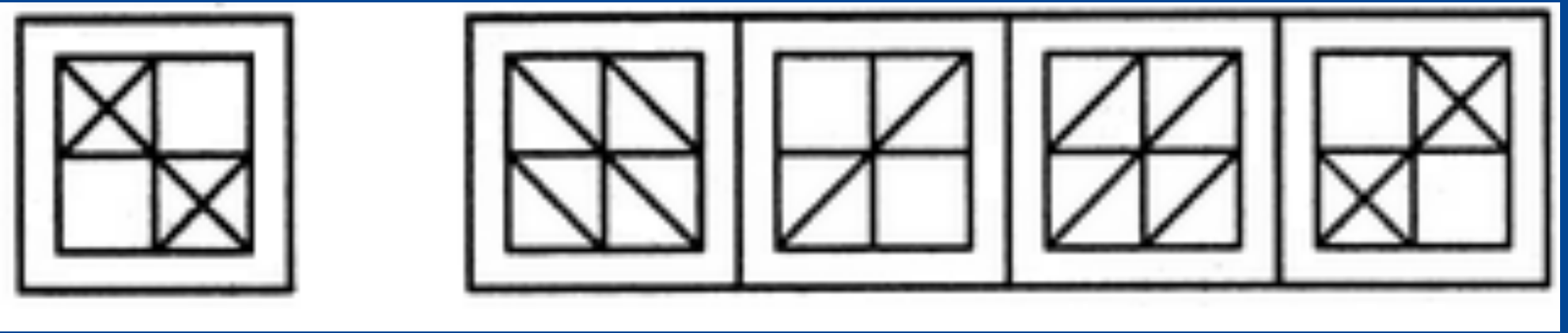


A B C D

Reflection ↕

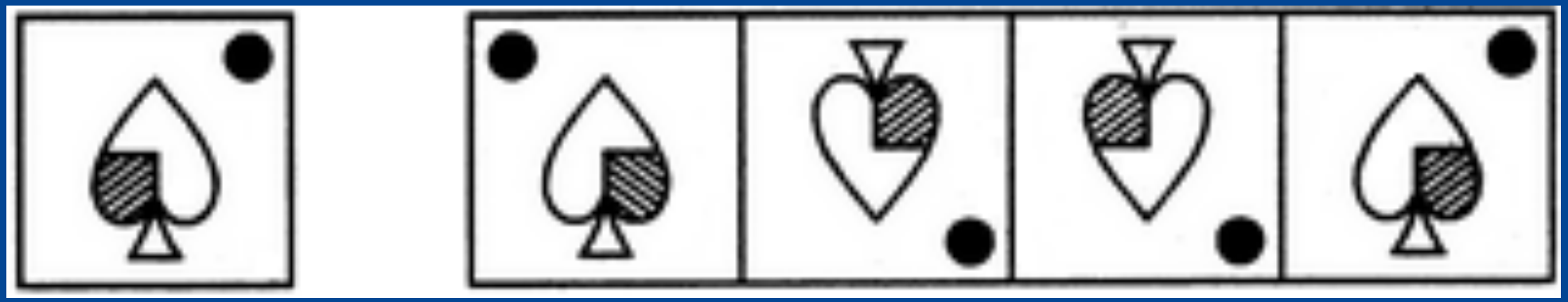
Mirror ↔

Choose the correct mirror image of the given figure from amongst the four alternatives.



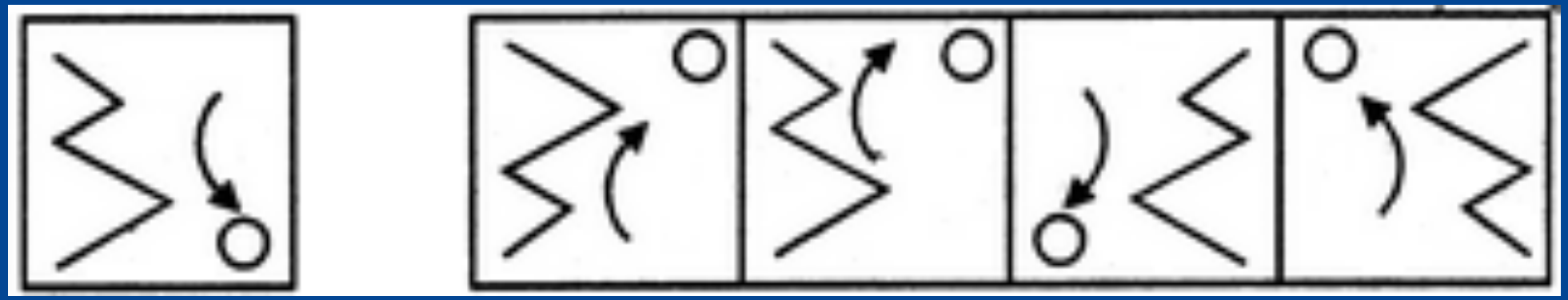
A B C D

Choose the correct mirror image of the given figure from amongst the four alternatives.



A B C D

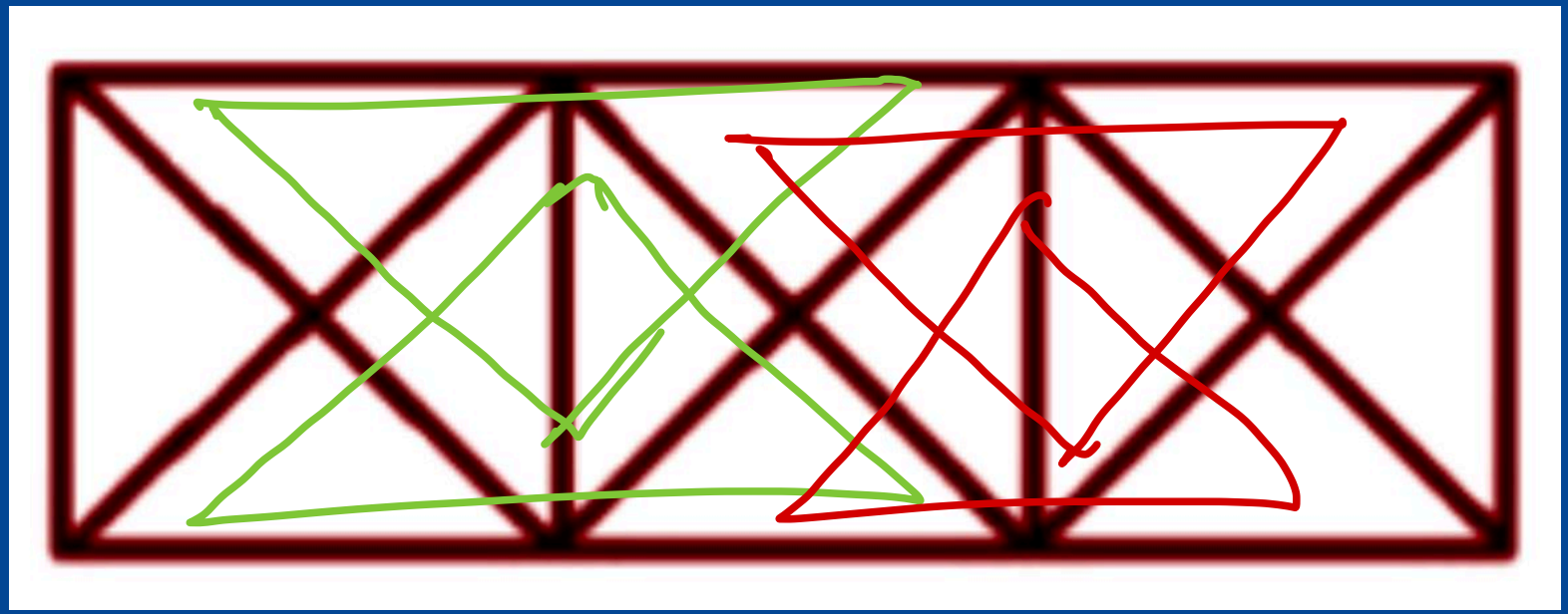
Choose the correct mirror image of the given figure from amongst the four alternatives.



A B C D

How many triangles are there in the following figure?

(a) 30 (b) 28 (c) 24 (d) 26

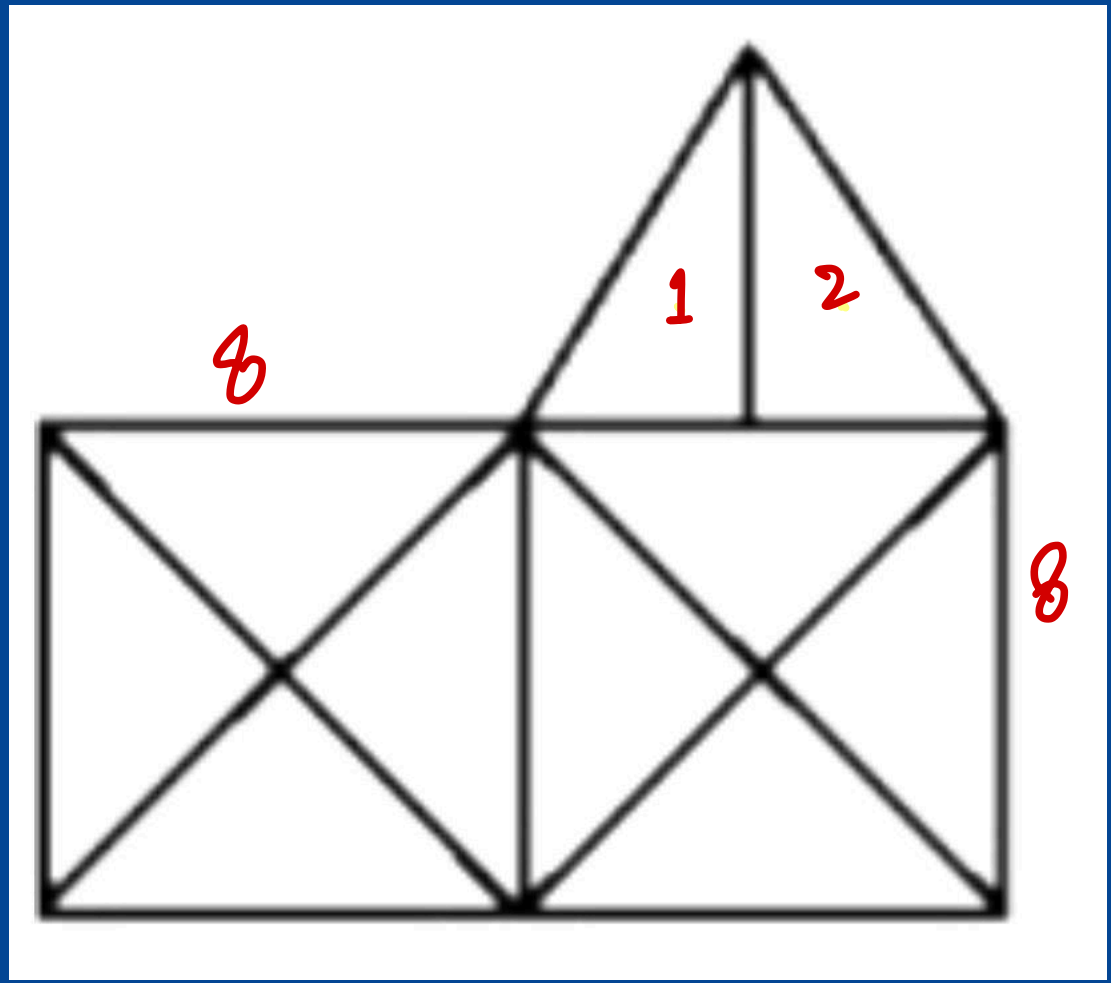


8 x 3
= 24
+ 4
28

How many triangles are there in the following figure?

(a) 21 (b) 23 (c) 19 (d) 20

$8+8+3+2=21$



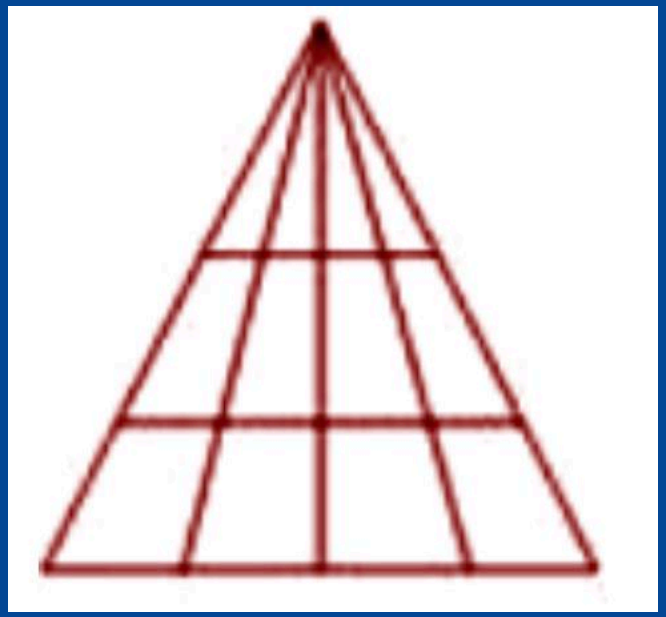
How many triangles are there in the given figure?

(a) 30 (b) 24 (c) 32 (d) 36

base sum x level

$= 10 \times 3$

$= 30$

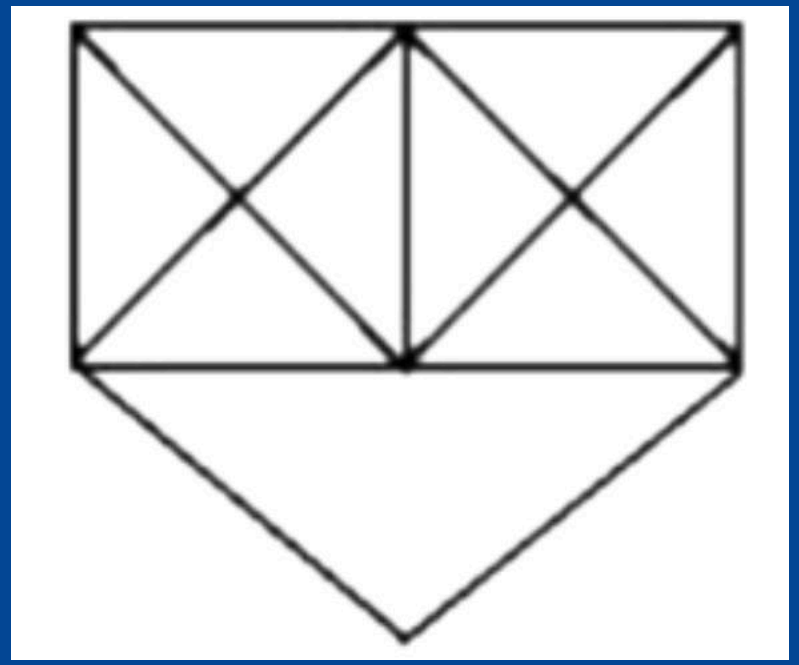


1 2 3 4

10

How many triangles are present in the following figure?

(a) 18 (b) 19 (c) 20 (d) 17



8+8+2+1

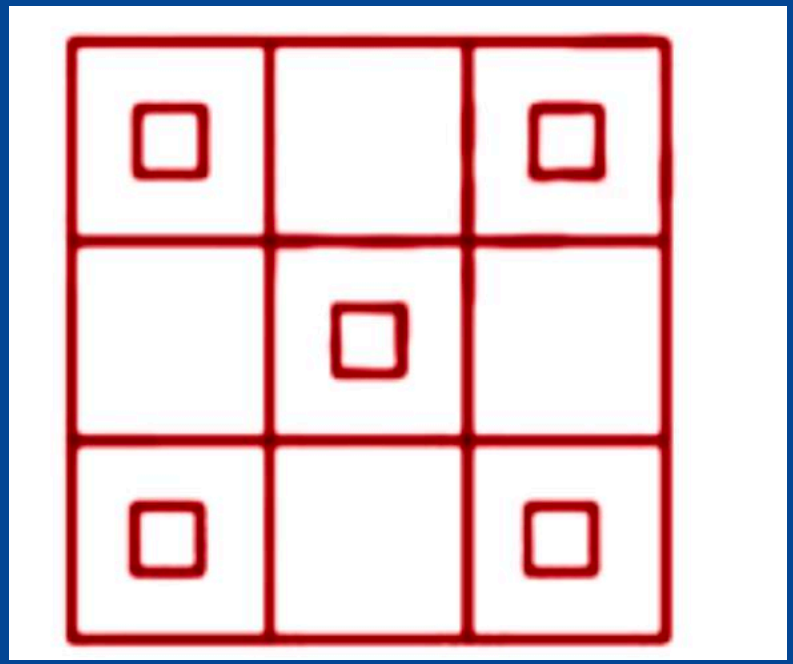
= 19

How many squares are present in the following figure?

(a) 17 (b) 19 (c) 23 (d) 21

$$\frac{n(n+1)(2n+1)}{6}$$

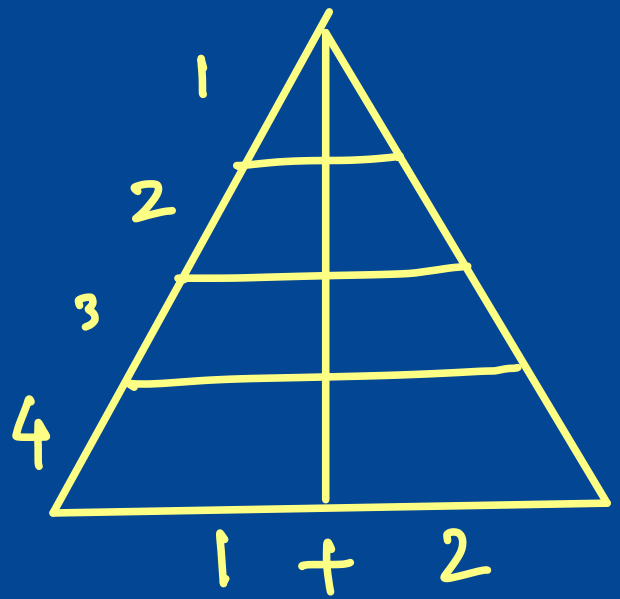
$$= \frac{3 \times 4 \times 7}{6} = 14 + 5 = 19$$



How many triangles are there in the given figure?

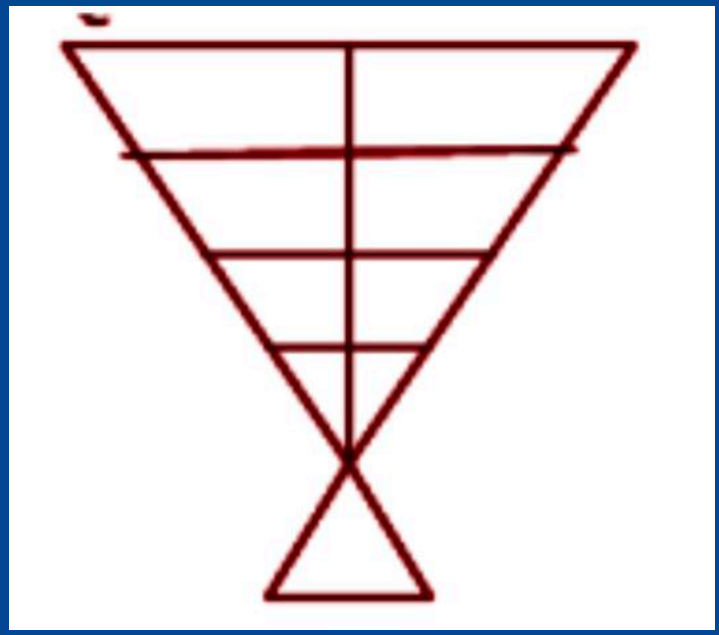
(a) 14 (b) 11 (c) 15 (d) 13

$3 \times 4 = 12$

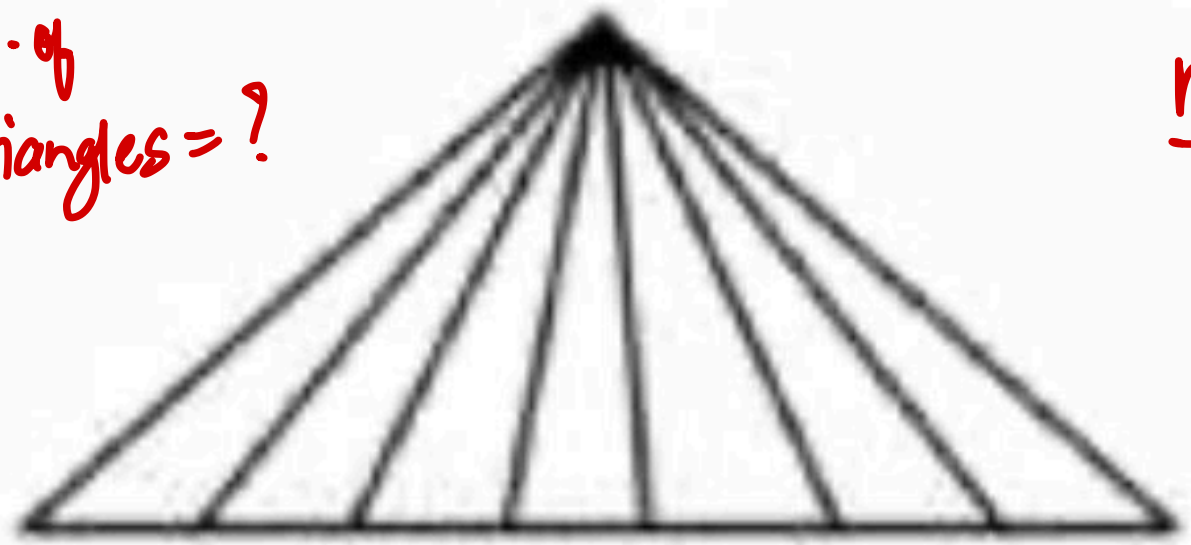


1 + 2

= 3



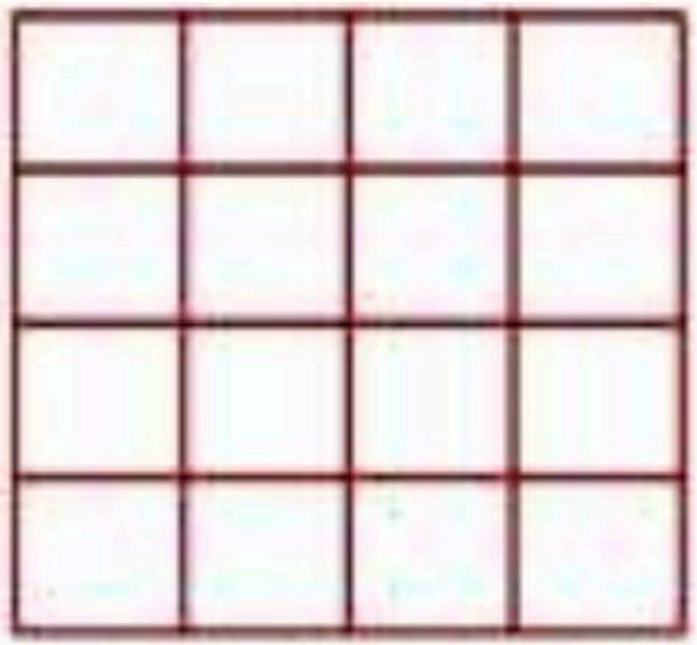
No. of triangles = ?



$$\frac{n(n+1)}{2} = \frac{7 \times 8}{2} = 28$$

(a) 28 (b) 24 (c) 14 (d) 20,

Number of Square?



$n = 4$

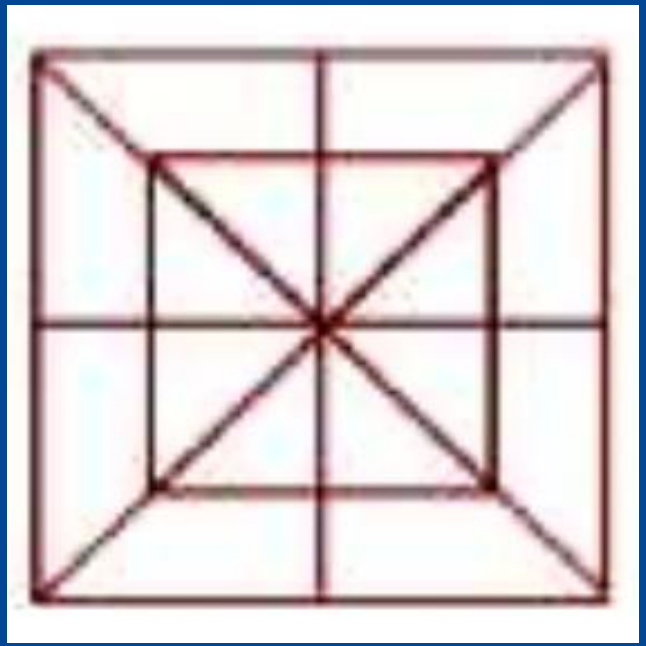
$$\frac{n(n+1)(2n+1)}{6}$$

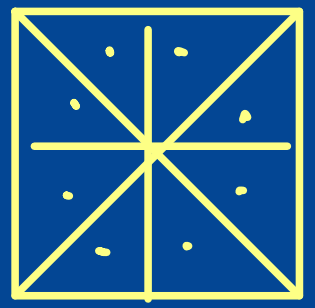
$$= \frac{\overset{2}{\cancel{4}} \times 5 \times \overset{3}{\cancel{6}}}{\underset{1}{\cancel{6}}} = 30$$

(a)30 (b)28 (c)24 (d)32

Find the number of triangles in the given figure

(a)64 (b)16 (c)46 (d)32

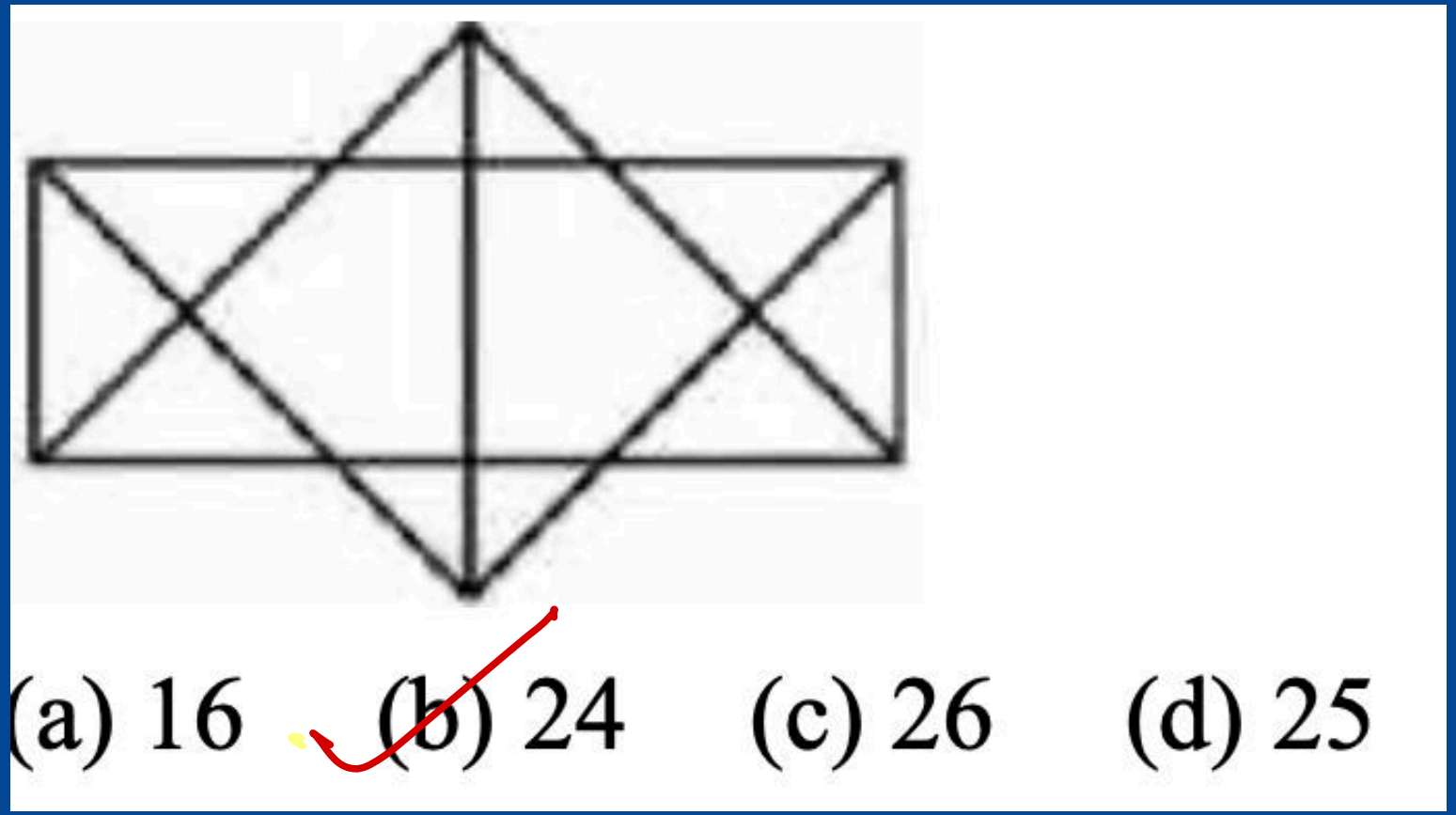




8 + 8 = 16

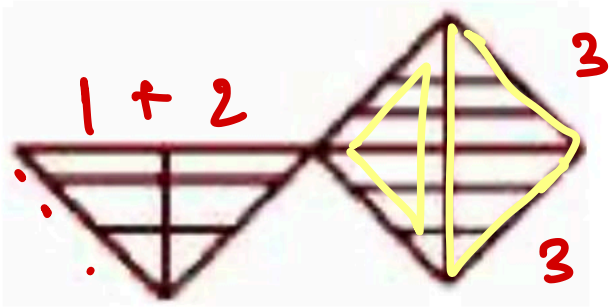
How many triangles?

10 → 16 → 20 → 22
↓
24



(a) 16 (b) 24 (c) 26 (d) 25

How many triangles?



3 × 3 = 9

(a) 27 (b) 29 (c) 31 (d) 30

9 × 3 = 27 + 2

= 29

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