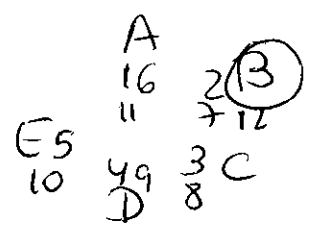
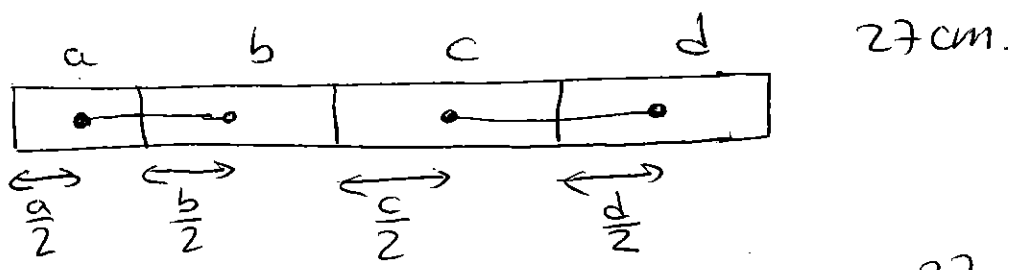


①



②



$\frac{a}{2} + \frac{b}{2}$ $\frac{c}{2} + \frac{d}{2} \rightarrow \varepsilon = \frac{27}{2} = 13.5 \text{ cm} \rightarrow \textcircled{B}$

③

$6 \text{ cp} = 7 \text{ al} = 3 \text{ cg}$

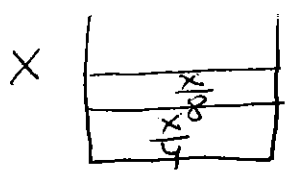


$2 \text{ cg} = 200 \text{ g bomb.} \rightarrow 1 \text{ cg} = 100 \text{ g bomb.}$

$2 \text{ cp} = 1 \text{ cg}$

$1 \text{ cp} = \frac{1}{2} \text{ cg} \rightarrow 1 \text{ cp} = \frac{100}{2} = 50 \text{ g de bomb.} \rightarrow \textcircled{A}$

④



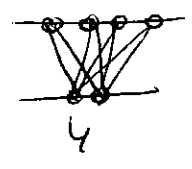
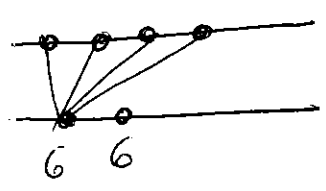
$\frac{1}{8} + \frac{1}{4} = \frac{1}{8} + \frac{2}{8} = \frac{3}{8} \rightarrow \textcircled{D}$

⑤

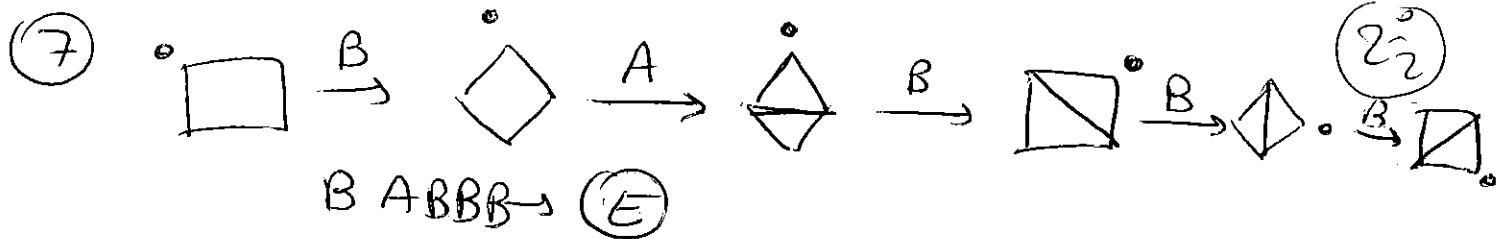
A $\rightarrow$ $\textcircled{K}$
B $\rightarrow$ K, V, $\textcircled{J}$
C $\rightarrow$ F
D $\rightarrow$ F

Ker Fut Vol Judo
~~X~~ ~~X~~ $\textcircled{C}$ ~~X~~ ~~X~~

⑥



$16 \rightarrow \textcircled{D}$



(8) $7:30$
 $H \rightarrow R$
 $9:10$

Tarda: $30 + 60 + 10 = 100 \text{ min.}$
 $8 \text{ Km} \rightarrow 10 \text{ min} \rightarrow 40 \text{ Km} \rightarrow$ (C)

(9)

x	y	z	60
x-6	y-8	z-4	60-6-8-4=42

$\underbrace{\hspace{10em}}$
 iguales $\rightarrow \frac{42}{3} = 14$ en cada árbol $\rightarrow 2^\circ$ al principio
 $14+8=22 \rightarrow$ (C)

(10) $\{-5, 4, 3, -6, 2\}$
 3 números $\rightarrow$ ¿menor? $-6 \cdot 4 \cdot 3 = -72 \rightarrow$ (B)

(11)

3 hojas	x	hojas	3x
4 hojas	y	4y	
total	17	57	

$$\begin{cases} x+y=17 \\ 3x+4y=57 \end{cases} \xrightarrow{\cdot(-1)} \begin{cases} -3x-3y=-51 \\ 3x+4y=57 \end{cases}$$

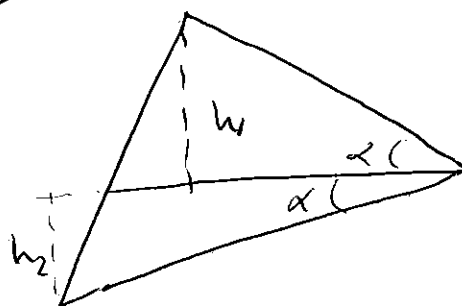
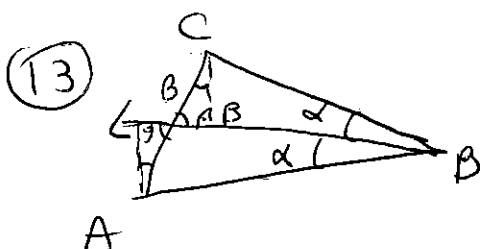
$$-y = -108 \rightarrow y = 108$$

(C)

(12) 012343210 | 012343210 | ...

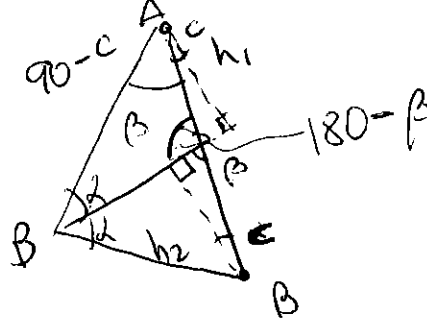
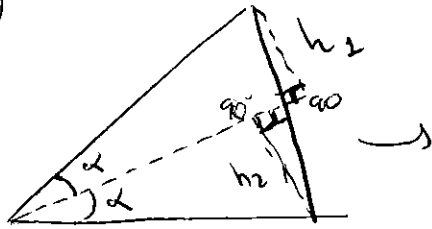
9 se van repitiendo.

2025 $\begin{array}{r} 9 \\ 225 \\ \hline 45 \\ 0 \end{array}$ $\rightarrow$ un 0 $\rightarrow$ (A)



SIMILITUD

13



La base sería la misma y por lo tanto la altura también.

2-3

Pero de las respuestas fe hay, podrían ser varias.

A EQUILATERO

B

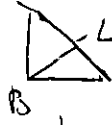
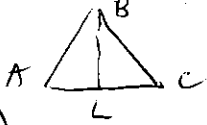
ISOSC.

C rect (isosc)

D obtusang. (isosc)

⇒ E

NO SE PUEDE ASEGURAR.



14

A

Al menos uno de nosotros miente

⇒ Todos no pueden V

B

4

⇒ " " " M

C

1

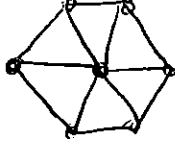
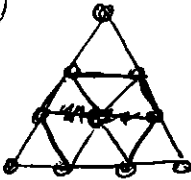
C

AV
BV

CM → no podría decirlo

AM
BV
CM → están diciendo una verdad

15



9 triáng. → 1 triáng. : 1m² → hex → 6m² → C

16

5⁺² 7⁺² 9 --- 293

293
-5

288

288 12
08 144
08 144
0

Hay 144 saltos de +2

Hay 144 saltos de -2 → -288

2006 2004 2002
-2 -2

2006
-288

1718 → A

17

2^a 5^b = 4000 → a+b?

2² · 2 · 5 · 2 · 5 · 2 · 5

2⁵ · 5³ → 5+3 = 8 → D

(18)	Ahora	Dentro a años	Dentro b años	x?	(24)
A	x	$x+a=y$	$x+b=z$		
B	y	$y+a$	$y+b$		
C	z	$z+a$	$z+b$		
Suman	22	28	37		

$$x+y+z=22 \rightarrow x + \underbrace{x+a}_y + \underbrace{x+b}_z = 22 \quad (\pm)$$

$$\bullet x+a+y+a+z+a=28$$

$$\underbrace{x+y+z}_{22} + 3a = 28$$

$$3a = 28 - 22$$

$$3a = 6$$

$$\boxed{a=2}$$

$$\bullet x+b+y+b+z+b=37$$

$$\underbrace{x+y+z}_{22} + 3b = 37$$

$$3b = 37 - 22$$

$$3b = 15$$

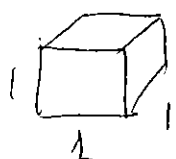
$$\boxed{b=5}$$

$$\Rightarrow \text{(I)} \quad 3x + 2 + 5 = 22$$

$$3x = 15$$

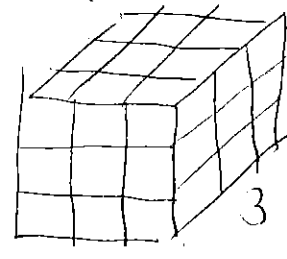
$$\boxed{x=5} \rightarrow \text{(B)}$$

(19)



1

→ 7Kg



3

Hay $9 \cdot 3 = 27$ cubos de 1 

↓

$27 \cdot 7 = 189 \text{ Kg} \rightarrow \text{(C)}$

$$(20) \quad \frac{2+0+2+5}{2025} = \frac{9}{2025} = \frac{1}{225} \rightarrow \text{(C)}$$

15	16	17	18	19	20	21
35	36	37	38	39	40	41

6 → C

22

$$\begin{array}{cccc}
 & B_9 & C_7 & 2 & A_1 \\
 + & & A_1 & B_9 & A_1 \\
 \hline
 & \cancel{A_1} & B_9 & A_1 & 2
 \end{array}$$

NO PUEDESER

$$\begin{array}{cccc}
 B_3 & C_7 & 2 & A_6 \\
 A_6 & B_3 & A_6 & \\
 \hline
 4 & B_3 & A_6 & 2
 \end{array}$$

23

Cap $\frac{1}{4}$
 X $\frac{3}{4}$ entre 3 ofícios

overdu $\frac{3}{4} - \frac{3}{8} = \frac{3}{8} \rightarrow 48 \cdot 5 = 240$

$$\frac{3}{8}x = 240 \rightarrow \boxed{x = \frac{240 \cdot 8}{3} = 640} \rightarrow \textcircled{C}$$

24

8

X $\begin{array}{l} \cdot 5 \\ \hline 5x \\ \cdot 6 \\ \hline 6x \end{array}$

$\begin{array}{l} 5x+5 \\ 5x+6 \end{array}$

$\begin{array}{l} 5x+5-5 = 5x \\ 5x+5-6 = 5x-1 \\ 5x+6-5 = 5x+1 \\ 5x+6-6 = 5x \end{array}$

No puede ser ninguno

Resultado: 73

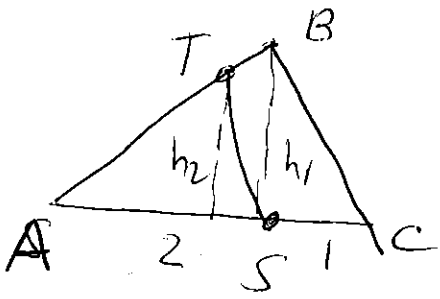
$\begin{array}{l} 6x+5 \\ 6x+6 \end{array}$

$\begin{array}{l} 6x+5-5 = 6x \rightarrow \text{No puede ser} \\ 6x+5-6 = 6x-1 \rightarrow 11 \\ 6x+6-5 = 6x+1 \rightarrow 12+1 \text{ (51)} \\ 6x+6-6 = 6x \rightarrow \text{No puede ser} \end{array}$

↓

$$x = 12 \rightarrow D$$

(25)

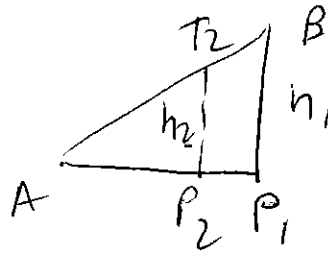


$$A_{ATS} = \frac{A_{ABC}}{2}$$

$$A_{ATS} = \frac{AS \cdot h_2}{2} \quad A_{ABC} = \frac{AC \cdot h_1}{2}$$

$$\text{L.} \quad \frac{2 \cdot h_2}{2} = \frac{3 \cdot h_1}{2}$$

$$h_2 = \frac{3}{4} h_1$$



h_1 y h_2 son paralelos
y ATP_2 es semejante
a AP_1B

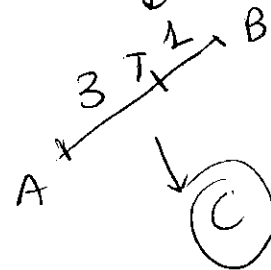
↓

$$\text{L.} \quad \frac{h_2}{h_1} = \frac{3}{4}$$

↓

$$\frac{AT}{AB} = \frac{3}{4}$$

↓



(26)

(26)

x
x+1
x+2
x+3

$$x + x + 1 + x + 2 + x + 3 = 1002$$

$$4x = 996$$

$$x = \frac{996}{4} = 249 \rightarrow \text{Mayor: } 252 \rightarrow 2+5+2=9$$

(B)

(27)

1^a div pr 5
2^a " " "
3^a " " 55

De estas 3 no pueden ser verdad
2 porque entonces lo sería la 3^a

Sólo puedo coger 1

4^a Inferior a 10 $\leftarrow$ Hay 15 cogida $\Rightarrow$ div pr 5 $\Rightarrow$ 5
menor a 10 $\Rightarrow$ 5

(B)

(28)

1^a 2^a

n^o de caras x $\frac{x}{2}$
Jules p^o readen y cada una y+5
TOTAL de los 60 60

$$\left. \begin{aligned} x \cdot y &= 60 \\ \frac{x}{2} \cdot (y+5) &= 60 \end{aligned} \right\} \rightarrow \frac{x \cdot y}{2} + \frac{5x}{2} = 60$$

(29)

20:07 $\rightarrow$ 00:27

4h y 20min $\rightarrow$ (A)

$$\frac{60}{2} + \frac{5x}{2} = 60 \rightarrow \frac{5x}{2} = 30$$
$$\boxed{x = \frac{60}{5} = 12} \rightarrow \text{(C)}$$

(30)

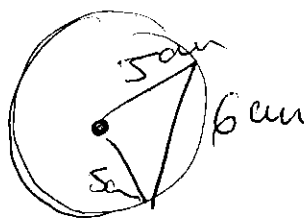
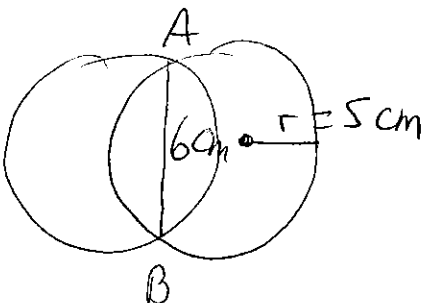


Diagram of a right triangle with sides 3, 4, and 5. The hypotenuse is 5, one leg is 3, and the other leg is 4. The distance from the center to the chord is 4.

$$5^2 = 3^2 + d^2$$
$$25 = 9 + d^2$$
$$d^2 = 16$$
$$d = 4$$
$$2 \cdot 4 = 8 \text{ cm}$$

(D)