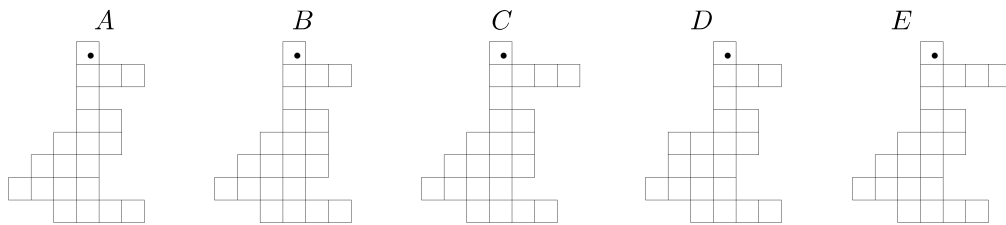
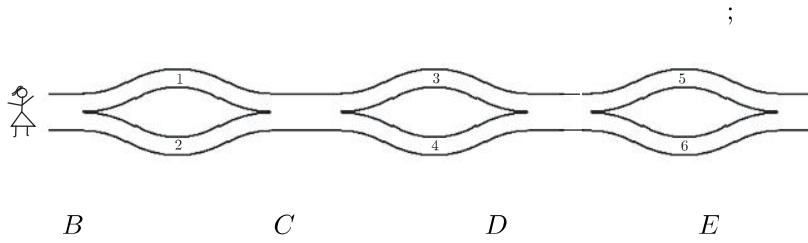




Zita



KANGAROO PROBLEM;

A 1

B 2

C 3

D 4

E 5

;

A                      B                      C                      D                      E

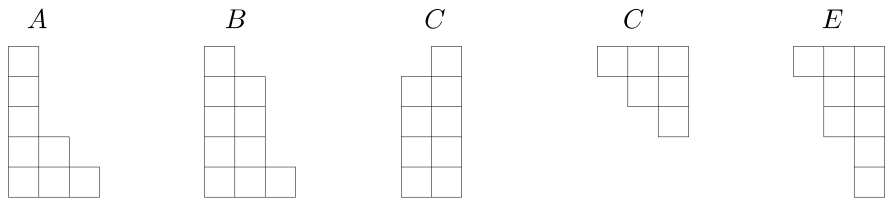
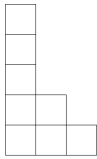
;

A 48                      B 56                      G 64                      D 72                      E 80

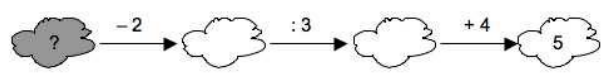
;

A 2                      B 3                      G 4                      D 5                      E 6

;



;



A 1                      B 3                      C 5                      D 7                      E 9

$$4 \times 4 + 4 + 4 + 4 + 4 + 4 + 4 \times 4 = ?$$

- A 32      B 44      C 48      D 56      E 100

Harry

?

1	?	
2	1	

- A      B      C      D 2 3      E 1,2 3

Hermenegilda

30

5

80

;

A 5

B 4

C 3

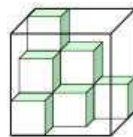
D 2

E 1

Daniela

dm  
3 dm

;



- A 9      B 13      C 17      D 21      E 27

Basil

Pete

1  
Pete;

1

A

B

C

D

E

John

400

15 cm

A km

B m

C cm

D mm

E cm

;

A 2

B 5

C 6

D 7

E 9

20 : 07

;

A h min

B h min

C h min

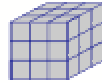
D h min

E h min

1 cm

3 cm

;



A 4

B 6

C 8

D 10

E 12

"

"

A

B

C

D

E

Romain Fabien Lise Jennifer Adrien

Lise Fabien Romain

Lise

Jennifer Romain

Adrien;

Jennifer

A 1

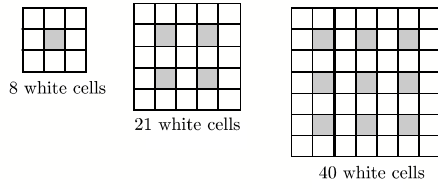
B 2

C 3

D 4

E 5

;



- A 50                      B 60                      C 65                      D 70                      E 75

cm

cm

cm

- A 48 cm                      B 40 cm                      C 32 cm                      D 24 cm                      E 16 cm

1, 2, 3, ...

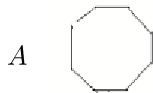
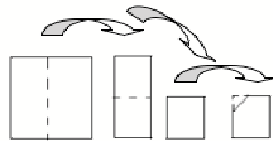
;

- A 13                      B 14                      C 16                      D 17                      E 22

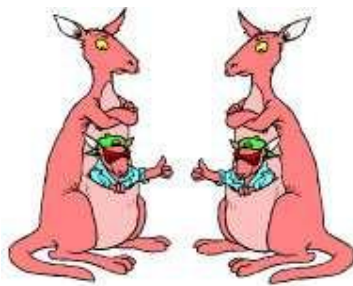
1      100

- A 100                      B 150                      C 190                      D 192                      E 200

;

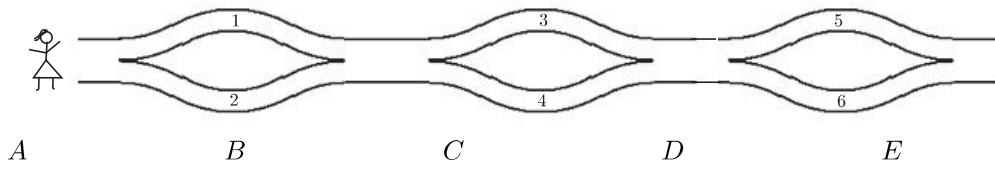


E

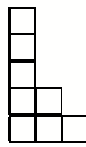


Zita

;



;



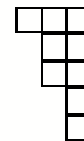
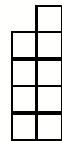
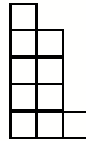
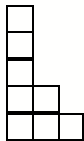
A)

B)

C)

D)

E)



---



Harry  
;

1		
2	1	

- A) 1                      B) 2                      C) 3                      D) 4                      E) 5

- 10                      ;                      6                      4
- A) 10                      B) 12                      C) 15                      D) 18                      E) 20

$$2007 : (2 + 0 + 0 + 7) - 2 \times 0 \times 0 \times 7 =$$

- A) 1                      B) 9                      C) 214                      D) 223                      E) 2007

A2

;

4				
3				
2	→			
1				
	A	B	C	D

■ αδύνατον να περάσει

- A) B2                      B) A1                      C) E1                      D) D1

Basil

Pete

1

1

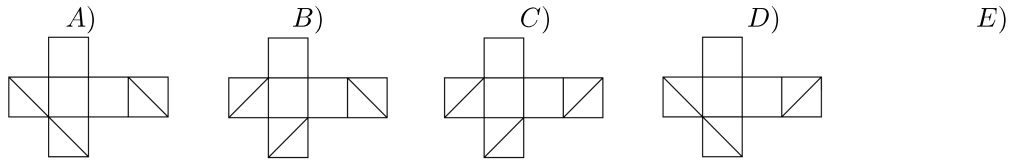
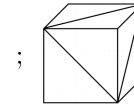
Pete;

A  
D

B  
E

C





8

60

6  
4

;

A) 26

B) 24

C) 22

D) 21

E) 20

Kelly

27 cm



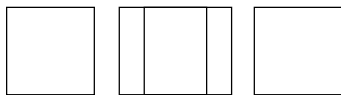
A) 12 cm  
D) 14,5 cm

B) 13,5 cm  
E)

C) 14 cm

9 cm × 9 cm

9 cm × 13 cm



A) 36 cm<sup>2</sup>

B) 45 cm<sup>2</sup>

C) 54 cm<sup>2</sup>

D) 63 cm<sup>2</sup>

E) 72 cm<sup>2</sup>

Harry

7.30  
Ron 9.10  
Ron Harry;

Ron  
4 km 10

A) 14 km

B) 20 km

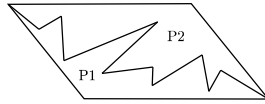
C) 40 km

D) 56 km

E) 64 km

$P1$   $P2$

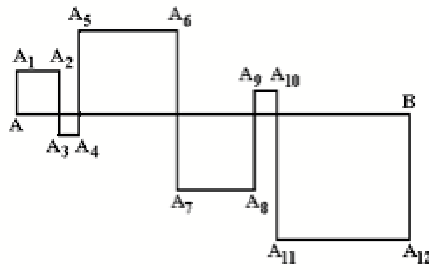
;



- A)  $P2$
- B)  $P2$
- C)  $P2$
- D)  $P1$   $P2$
- E)  $P1$   $P2$

$P1$   
 $P1$   
 $P1$

$AA_1A_2 \dots A_{12}B$   $AB$   $24\text{ cm}$   $AA_1A_2 \dots A_{12}B$



- A)  $48\text{ cm}$
- B)  $72\text{ cm}$
- C)  $96\text{ cm}$
- D)  $56\text{ cm}$
- E)  $106\text{ cm}$

2007

KANGAROOKANGAROOKANG...

- A)  $K$
- B)  $A$
- C)  $N$
- D)  $R$
- E)  $O$

$Agnes$   
 $Lisa$

$10$   
 $Agnes$

$Lisa$

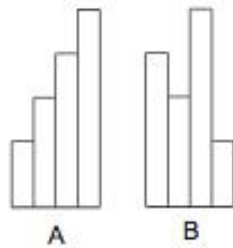
;

- A)  $40$
- B)  $50$
- C)  $60$
- D)  $70$
- E)  $80$

- 2 ; 4
- A) 100      B) 101      C) 1000      D) 1001      E) 10

10 cm      A

cm ;



- A) 20 cm      B) 25 cm      C) 40 cm      D) 50 cm      E) 0 cm

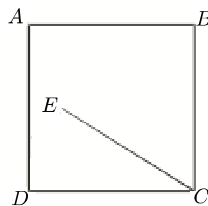
Bill      Nick      5      6      Andrew      5      6      John

John      5      6      Nick      5      6      Andrew      73      Bill;

- A) 10      B) 11      C) 12      D) 14      E) 15

- 3 ;      3      5
- A) 0      B) 1      C) 2      D) 3      E) 3

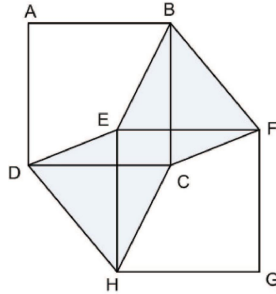
10 cm.       $\angle EAB = 75^\circ$        $\angle ABE = 30^\circ$   
 $EC$



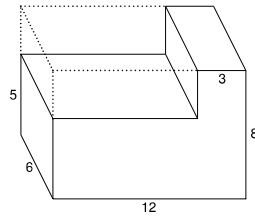
- A) 8 cm      B) 9 cm      C) 9,5 cm      D) 10 cm      E) 11 cm

$ABCD$   $EFGH$   
1

$AB$   $EF$   
 $ABCD$ ;



- A) 1      B) 2      C)  $\frac{1}{2}$       D)  $\frac{3}{2}$       E)



- A)      B)      C)  
D)      E)

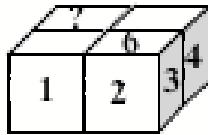
Nick

$$2 \times 2 \times 1$$

7

$$\frac{1, 2, \dots, 6}{4}$$

?

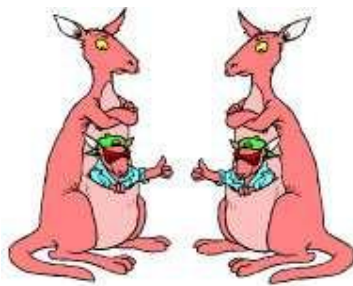


- A) 5      B) 6      C) 2      D) 3      E)

$$\square Y \square \times \square \square = 7632$$

Y;

- A) 1      B) 4      C) 5      D) 8      E) 9



$$\frac{2007}{2+0+0+7} =$$

1003

75

C) 223

D) 213

E) 123

20 m;

2 m

22

B) 20

C) 12

D) 11

E) 10

A2

;

4					
3	■				
2	←	■			
1		■			
	A	B	C	D	E

A) B2

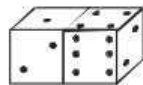
B) A1

C) E1

D) D1

E)

;



A) 15

B) 12

C) 7

D) 27

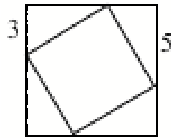
E)



---

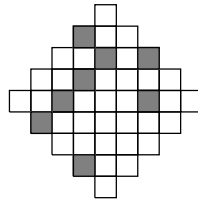
$A = (2006, 2007)$     $B = (2007, 2006)$     $C = (-2006, -2007)$     $D = (2006, -2007)$   
 $E = (2007, -2006)$

- A)  $AD$       B)  $BE$       C)  $BC$       D)  $CD$       E)  $AB$



- A) 16      B) 28      C) 34      D) 36      E) 49

;



- A)      B)      C)      D)      E)

"

"

"

"

"

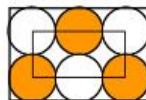
"

;

- A) 989989      B) 989998      C) 998998      D) 999898      E) 999988

*cm*

;



- A) 160 *cm*      B) 140 *cm*      C) 120 *cm*      D) 100 *cm*      E) 80 *cm*

$x$

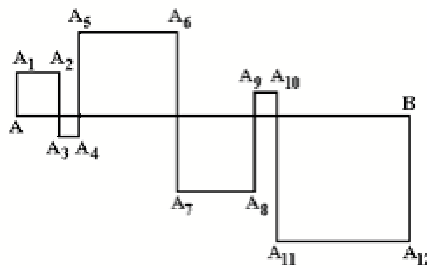
;

- A)  $x + 1$       B)  $2x$       C)  $-2x$       D)  $6x + 2$       E)  $x - 2$

$AA_1A_2 \dots A_{12}B$

$AB = 24 \text{ cm}$

$AA_1A_2 \dots A_{12}B$



- A) 48 cm      B) 72 cm      C) 96 cm      D) 56 cm      E) 106 cm

$x = y = 6 = 4 = x = 2 = y$  ;

- A) 6      B) 8      C) 12      D) 16      E) 18

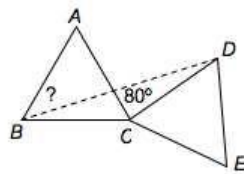
$\frac{1}{4} \cdot \frac{2}{34} = \frac{A}{B} = \frac{1}{3}$

- A)  $\frac{5}{12}$       A)  $\frac{7}{12}$       B)  $\frac{1}{4}$       A)  $\frac{3}{4}$       B)  $\frac{7}{12}$   
 C)  $\frac{7}{12}$       A)  $\frac{5}{12}$       B)  $\frac{1}{2}$       A)  $\frac{1}{2}$       B)  $\frac{1}{2}$   
 D)  $\frac{1}{2}$       A)  $\frac{2}{3}$       B)  $\frac{1}{3}$       A)  $\frac{2}{3}$       B)  $\frac{1}{3}$   
 E)  $\frac{1}{3}$

$8^8 = 4^4$

- A) 2      B) 3      C) 4      D) 8      E) 16

$\angle ABC = \angle CDE$        $\angle ACD = 80^\circ$        $\angle ABD = ?$



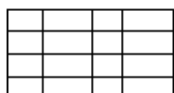
- A)  $25^\circ$       B)  $30^\circ$       C)  $35^\circ$       D)  $40^\circ$       E)  $45^\circ$

1, 2, 3, 4, ..., 10000

;

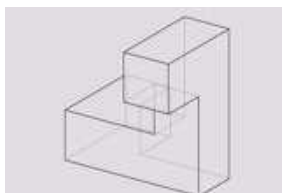
- A) 1%      B) 1,5%      C) 2%      D) 2,5%      E) 5%

;



- A) 22      B) 30      C) 36      D) 40      E) 42

;

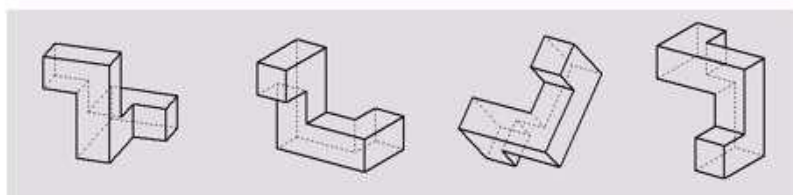


W

X

Y

Z



- A) W    Y    B) X    Z    C)    Y    D)    E) W, X    Y

;

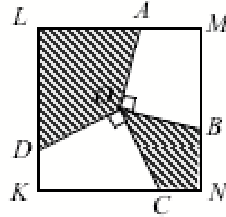
1	2	3
4	5	6
7	8	9

- A) 12      B) 15      C) 18      D) 21      E) 24

$OA = OB = OC = OD$   
 $OA \perp OB$      $OC \perp OD$   
 2

O

KLMN



- A) 1    B) 2    C) 2.5    D) 2.25    E)

B    C

3131  
6

33

Mike

2007

Mike;

A) 12

B) 13

C) 14

D) 15

E) 16

2

6 km/h

4 km/h

3 km/h

;

A)

B) 6 km

C) 7,5 km

D) 8 km

E) 10 km

Al    Bill

Frank    Bill

Charlie    Dan    Charlie    Ed

;

A) Al    Ed

B) Dan    Ed

C) Dan    Frank

D) Al    Bill

E) Al    Bill    Charlie

Frank    Dan

Charlie    Frank

Al    Charlie

Charlie    Frank

Dan    Ed    Frank

;

A) 0

B) 2

C) 3

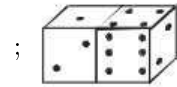
D) 4

E) 5



4     *Anh Ben*     *Chen*     30     *Ben*     5     *Chen Chen*  
        *Anh*     *Anh*     2     *Ben*  
                    *Anh*     ;

- A) 8                    B) 9                    C) 11                    D) 13                    E) 15



- A) 15                    B) 12                    C) 7                    D) 27                    E)

"

"

1022 22222 102334 213343 3042531 ;

- A) 1                    B) 2                    C) 3                    D) 4                    E) 5

*ABC D*                    *AB E*                    *DB F*                    *BC*  
         $\triangle ABC$      96                     $\triangle AEF$

- A) 16                    B) 24                    C) 32                    D) 36                    E) 48

Frida

C  
C

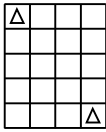
$\frac{2}{3}A$       A B C      A

- A) 1: 2      B) 1: 3      C) 2: 3      D) 1: 5      E) 3: 2

32      50% ;

- A) 182      B) 128      C) 108      D) 96      E) 80

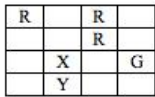
;



- A) 1      B) 4      C) 7      D) 20      E) 35

(R)

X (G) U; XY =



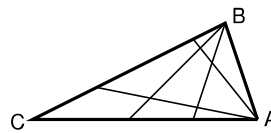
- A) RR      B) RG      C) GR      D) GG      E)

2007 KAN GA ROO

- A) 100      B) 110      C) 112      D) 119      E) 129

A ABC B

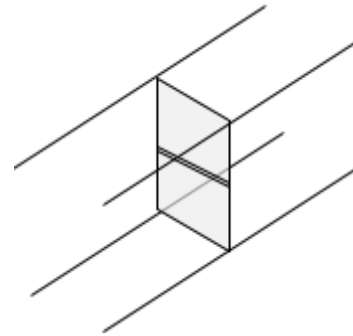
A B ;



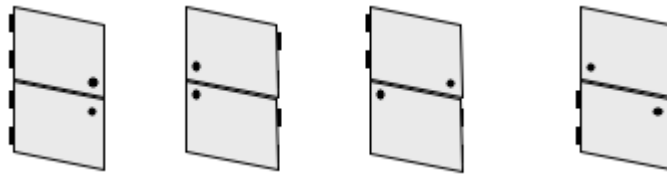
- A)      B)      C)      D)      E)

” ” ” ” ”  
 ” ; ”  
 A) 2 B) 4 C) 6 D) 8 E) 10

$8^8$   $4^4$ ;  
 A) 2 B) 3 C) 4 D) 8 E) 16



;



- A)
- B)
- C)
- D)
- E)



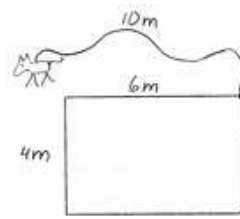
”Kangourou”

;

- A)
- B)
- C)
- D)
- E)

10m

6 m × 4 m.



- A)  $20\pi$
- B)  $22\pi$
- C)  $40\pi$
- D)  $88\pi$
- E)  $100\pi$

21 : 00

100 km/h

80 km

100 km

;

- A) 22 : 12
- B) 22 : 15
- C) 22 : 20
- D) 22 : 25
- E) 22 : 30

10cm

;

- A) 10 cm
- B) 30 cm
- C) 40 cm
- D) 60 cm
- E)

KANGAROOKANGAROO...KANGAROO  
KANGAROO

20

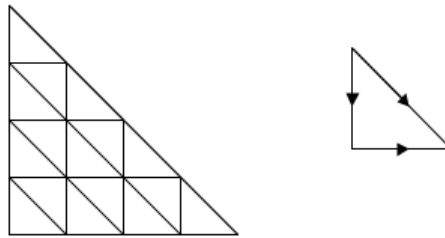
;

- A) K
- B) A
- C) N
- D) G
- E) O

;

- A) 10      B) 20      C) 30      D) 40      E) 50

;



- A) 16      B) 27      C) 64      D) 90      E) 111

*Joe*

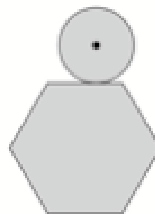
*Joe*

;

- A) 0      B) 2006      C) 2007      D) 2008      E) 2009

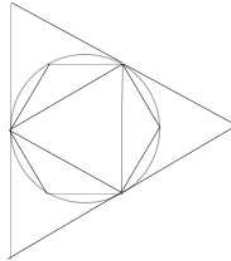
1 cm  
1 cm

;



- A)  $6 + \frac{\pi}{2}$       B)  $6 + \pi$       C)  $12 + \pi$       D)  $6 + 2\pi$       E)  $12 + 2\pi$

$S_2$  ;  $S_3$   $S_1$

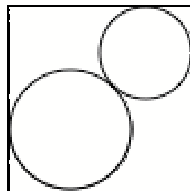


- A)  $S_3 = \sqrt{S_1 \times S_2}$       B)  $S_3 = \frac{S_1 + S_2}{2}$       C)  $S_1 = S_2 + S_3$   
 D)  $S_3 = \sqrt{S_1^2 \times S_2^2}$       E)  $S_1 = S_3 + 3S_2$

- $A$        $6 \cdot A$        $10 \cdot A$        $A$ ;  
 A) 30      B) 40      C) 54      D) 72      E) 96

- ;  
 A) 16      B) 17      C) 19      D) 25      E)

$1 \text{ cm}$        $\text{cm}$  ;



- A)  $\frac{1}{2}$       B)  $\frac{1}{\sqrt{2}}$       C)  $\sqrt{2} - 1$       D)  $2 - \sqrt{2}$       E)

;

- A)
- B)
- C)
- D)
- E)

;

- A) 5      B) 10      C) 44      D) 50      E) 120

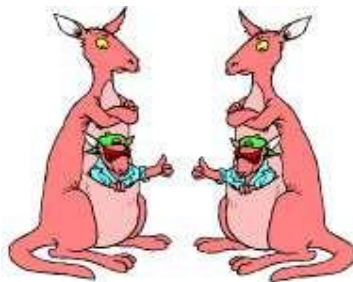
$$x^2 - 3x + 1 = 0 \quad a \quad b \quad a^3 + b^3$$

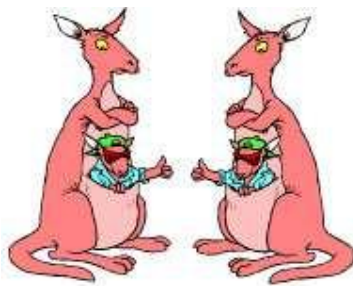
- A) 12      B) 14      C) 16      D) 18      E) 24

$$6 \text{ cm} \quad \text{cm}^3$$

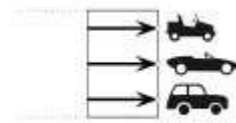
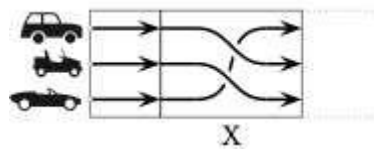
;

- A) 18      B) 36      C) 48      D) 72      E) 144





Mike



Mike

A) B) C) D) E)

*Anh*      *Anh*      30      *Ben*      5      *Chen*      *Chen*      4

*Anh;*

A) 8      B) 9      C) 11      D) 12      E) 13