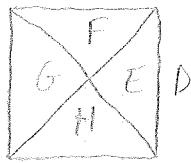
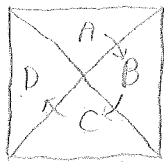


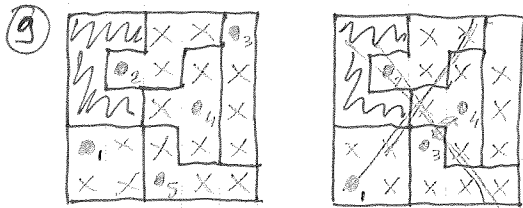
7



8) 3 4 5 6 7 8 7 6 5 4 3 2 1 2 3 4 5 4 3 (18)

$\uparrow$      $\uparrow$                      $\uparrow$      $\uparrow$   
 des    DVD                    DVD    c.

$18 \times 12 = 216$



10)  $16 - 3 \times 3 = 7$   
 $2 + 2 + 2 + 1$

12)  $n$  dalles  $\rightarrow 6n$

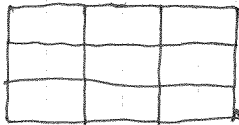
$6n / 3 = 2n = \text{perim. rect.}$

aire rect =  $2n$

$ab = 2n = 2a + 2b$

$a = \frac{2b}{b-2}$

$b=3, a=6$   
 $b=4, a=4 \rightarrow \text{non}$



18  $6 \times 3 / 3$

13 ~~11~~  $\frac{22}{7} \frac{d^2}{8} = \frac{11}{28} d^2$

$36 + 4 + 4 + 1 + 36 + 1 = 82$       81       $d = 11 - 11$

$25 + 4 + 16 + 7 = 52$       53

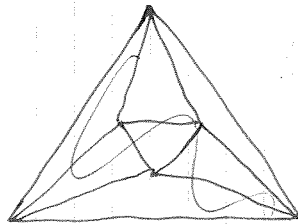
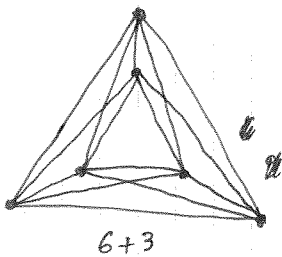
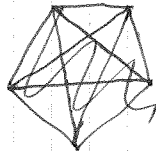
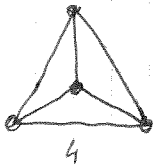
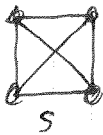
~~11+11+11~~  $\frac{6 \times 11}{2} = 33$        $33 + 11 = 44$

14

A  
B      F  
C      E  
D

AC: 3  
AD: 4  
AE: 3  
BD: 2  
BE: 2  
CE: 1

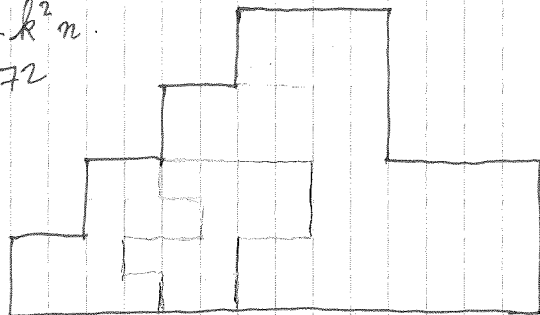
~~11~~  $15 + 6 = 21$



(15)  $18 \times 4 = 72$

$n + n + k^2 n$   
 $k^2 + 2 \mid 72$

$k=2$  ou  $4$



$k=2: 12 + 12 + 48$

$k=4: 4 + 4 + 64$  *non*

(16)

$27 = \frac{27}{64} 48 + \frac{27}{64} 16$

Mélanges de 2L

48 16 → 32  
24

~~48~~ - 16  
48

1	48	-	16
2	-	48 <sub>1</sub>	16 <sub>2</sub>
3	-	32 <sub>2</sub>	16 <sub>1</sub>
4	48 <sub>2</sub>	32 <sub>1</sub>	16 <sub>1</sub>
5	32 <sub>1</sub>	-	24 <sub>2</sub>
6	-	32 <sub>1</sub>	24 <sub>2</sub>
7	-	28 <sub>2</sub>	24 <sub>1</sub>
8	28 <sub>1</sub>	28 <sub>1</sub>	24 <sub>1</sub>
9	-	28 <sub>1</sub>	26 <sub>2</sub>
10	-	27 <sub>2</sub>	26 <sub>1</sub>

-	24 <sub>2</sub>	32 <sub>1</sub>	
24 <sub>1</sub>	24 <sub>1</sub>	32 <sub>1</sub>	
24 <sub>1</sub>	28 <sub>2</sub>	-	
24 <sub>1</sub>	-	28 <sub>2</sub>	
-	24 <sub>1</sub>	28 <sub>2</sub>	+ 2
-	26 <sub>2</sub>	28 <sub>1</sub>	

2	-	48 <sub>1</sub>	16 <sub>2</sub>
	16 <sub>1</sub>	48 <sub>1</sub>	16 <sub>1</sub>
	16 <sub>1</sub>	-	32 <sub>2</sub>
	-	16 <sub>1</sub>	32 <sub>2</sub>
	32 <sub>1</sub>	16 <sub>1</sub>	32 <sub>1</sub>
	32 <sub>1</sub>	-	24 <sub>2</sub>
	-	32 <sub>1</sub>	24 <sub>2</sub>
	24 <sub>1</sub>	32 <sub>1</sub>	24 <sub>1</sub>
	24 <sub>1</sub>	-	28 <sub>2</sub>
	-	24 <sub>1</sub>	28 <sub>2</sub>

$$\textcircled{17} S = S(\text{hexagone inscrit}) \quad (R=1)$$

$$= 6 \times \frac{\sqrt{3}}{4} = \frac{3\sqrt{3}}{2}$$

$$h = \frac{\sqrt{3}}{2}$$

$$\frac{\sqrt{3}}{2} \times \frac{3}{\cancel{4}}$$

$$\sqrt{3} \times \frac{3}{2}$$