PRISMAS, PARALELEPÍPEDOS E CUBOS

Prisma - Tonefa Básica 01 - anoas laterais + 4.3 x = 12 x x + averta do lave lanea do diva lanos + 2x² 2x² + 12 x = 80
01- area laterais $\frac{1}{2}$ 4. $\frac{3}{2}$ = $\frac{12}{2}$ $\frac{1}{2}$
01- area laterais $+ 4.3x = 12x$ $x + area + b$ lare (area dondon lares $+ 2x^2$ $2x^2 + 12x = 80$ $A = b^2 - 4.a.c$ $2x^2 + 12x - 80 = 0$ $A = 12^2 - 4.2.(-80)$ $A = 144 + 32.0$ $A = 784$ $x = -12 + \sqrt{784} = -12 + 28 = 4$ $x = -12 + \sqrt{784} = -12 + 28 = 4$ $x = 24\sqrt{3}.2\sqrt{3}$ $A = 24\sqrt{3}.2\sqrt{3}$ $A = 24\sqrt{3}.2\sqrt{3}$ $A = 48 + 6.2\sqrt{3}$ A = 6.2\frac{1}{3}
01- area laterais $54.3x = 12x$ $x + area a laterais 54.3x = 12x x + area a laterais 54.3x = 12x 2x^2 + 12x = 80 A = b^2 - 4.a.c 2x^2 + 12x - 80 = 0 A = 12^2 - 4.2.(-80) A = 144 + 32.0 A = 784 x = -12 + \sqrt{784} = -12 + 28 = 4 x = -$
01- area laterais $4.3x = 12x$ $x + area a laterais 4.3x = 12x x + area a laterais 4.3x = 12x 2x^2 + 12x = 80 A = b^2 - 4.a.c 2x^2 + 12x - 80 = 0 A = 12^2 - 4.2.(-80) A = 144 + 32.0 A = 784 x = -12 + \sqrt{784} = -12 + 28 = 4 x = -12 + \sqrt{784} = -12 + 28 = 4 x = 24\sqrt{3}.2\sqrt{3} A = 24\sqrt{3}.2\sqrt{3} A = 148\sqrt{3} cm2 A = 148\frac{1}{3} cm2 area do love teno do prisma: late do lovageno= 2 A = 6.2\sqrt{3} A = 6.2\sqrt{3} A = 6.2\sqrt{3}$
01- area laterais $4.3x = 12x$ $x + area a laterais 4.3x = 12x x + area a laterais 4.3x = 12x 2x^2 + 12x = 80 A = b^2 - 4.a.c 2x^2 + 12x - 80 = 0 A = 12^2 - 4.2.(-80) A = 144 + 32.0 A = 784 x = -12 + \sqrt{784} = -12 + 28 = 4 x = -12 + \sqrt{784} = -12 + 28 = 4 x = 24\sqrt{3}.2\sqrt{3} A = 24\sqrt{3}.2\sqrt{3} A = 148\sqrt{3} cm2 A = 148\frac{1}{3} cm2 area do love teno do prisma: late do lovageno= 2 A = 6.2\sqrt{3} A = 6.2\sqrt{3} A = 6.2\sqrt{3}$
22 + 12 x = 80
22 + 12 x = 80
$2x^{2}+12x=80$ $A=b^{2}-4.a.c$ $2x^{2}+12x-80=0$ $A=12^{2}-4.2.(-80)$ $A=194+32.0$ $A=784$ 212 212 213 312 313 312 313 3
D = 192 - 4.2.1-80 $D = 199 + 320$ $D = 789$ $D =$
2 - 12 - 12 - 4.2. (-80) \[\Delta = 199 + 320 \] \[\Delta = 789 \] \[\Delta = 12 + 1789 = -12 + 28 = 19 m] \] \[\Delta = 212 = 4 m] \] \[\Delta = 213 = 213 \] \[\Delta = 213 = 213 \] \[\Delta = 198 \delta = m^2] \] \[\Delta = 198 \delta = m^2] \] \[\Delta = 198 \delta = m^2] \] \[\Delta = 198
$\Delta = 144 + 320$ $\Delta = 784$ $2.2 \qquad 4$ $02 - A_{1} = \text{ area to Base. altina} \qquad 03 - \text{ at a do lose teno}$ $A_{1} = 148 + 32 \text{ cm}^{2}$ $A_{2} = 148 + 32 \text{ cm}^{2}$ $A_{3} = 148 + 32 \text{ cm}^{2}$ $A_{4} = 148 + 32 \text{ cm}^{2}$ $A_{5} = 6.2^{2} + 33$ $A_{6} = 6.2^{2} + 33$ $A_{7} = 6.2 + 33$ $A_{8} = 6.2 + 33$ $A_{1} = 6.2 + 33$
Δ=784 2=-12+1784 = -12+28=[4m] 2=-12+1784 = -12+28=[4m] 2=2418-218 A==4818 cm² area do lose teres de prisma: Interde de horagene=2 A==6,2²13 4 area lateral A==6,213
02- Al = area de Bare. altira 03- Al = 2413.213 Al = [4813 cm²] area de lare teres de priema: late de reragene=2 AB = 6.2² 43 4 area lateral AB = 6.2° 43 AL = 6.2.43
02- Al = area de Bare. altira 03- Al = 2413.213 Al = [4813 cm²] area de lare teres de priema: late de reragene=2 AB = 6.2² 43 4 area lateral AB = 6.2° 43 AL = 6.2.43
02-AL = anon de Bare. altina 03- AL = 2413.213 AL = 14813 cm ² anon de lose tono ale prisma: lade de l'exagene=2 AB = 6.2 ² 13 4 area lateral AB = 6.213 AL = 6.213
02-AL = anea de Bare. altura 03- AL = 2413.213 AL = 14813 cm ² area de lore terres ale prisma: lade de l'exagene=2 AB = 6.2 ² 13 4 area lateral AB = 6.213 AL = 6.213
02-AL= anon de Base. altura 03- AL=2413.213 AL=4813 cm² area de lase teres ale prisma: late de haragene=2 AB=6.2213 4 area lateral AB=6.243
AL = 48 N3 cm² AL = 48 N3 cm² Co triangula aquila Corea da lare tera de prisma: lade de hercagene=2 AB = 6.22 N3 4 area lateral AB = 6.2N3
AL = 148 13 cm² AL = 148 13 cm² Co triangulos oquida- area da lore teras ala prisma: lada da hacagana=2 AB = 6.2² 13 4 area lateral AB = 6.213
AL = 148 13 cm² AL = 148 13 cm² Co triangulos oquida- area da lore teras ala prisma: lada da hacagana=2 AB = 6.2² 13 4 area lateral AB = 6.213
Area da lore teras de prisma: lado do horagono=2 AB = 6.22 13 4 area lateral AB = 6.24 AR
area de lose teres ale prisma: late de herrigene=2 AB = 6.2 ² 13 4 area lateral AB = 6.25 AL = 6.2 N3
area da love Aras de priema: lateral AB = 6.22 N3 4 area lateral AB = 6.2N3
area da love Aras de priema: lateral AB = 6.22 N3 4 area lateral AB = 6.2N3
AB = 6.22 N3 4 Orea lateral AB = 6.25 AL = 6.2 N3
$AB = 6.2^{2} \sqrt{3}$ 4Onea lateral $AB = 6.43 AL = 6.2 \sqrt{3}$
4 area lateral AB = 6 N3 AL = 6.2 N3
AB = 6 N3 AL = 6.2 N3
1 1 1 1 1 2
AL= 1213
área total de prisma
AT = 12 13 + 2.6 13
AT = 12 N3 + 12 N3
AT = (24N3) (B)
04-medida de a
1210=8 0=8-09
20=8-2 2 2
Guiller
(tilibra)—

colcula de h orea de Inne de prisona
$a^2 = b^2 + c^2$ $A = A (B+b) = A = 4 (8+2) =$
5 ² = h ² +3 ² 2
25 = h2+9 A= 4, 10 = 40 = 20
-h2=9-25 2 2
- lo? = - 16 .(-1) Volume de prisma:
N= 16 V= 20.5
A2 = N16 = 4 V = 100
05- area da lase: Volume da cumba:
$A = b \cdot h = 10.15 = 5.15 = 75$ $V = 75.10$ $V = 750 \text{ cm}^3$ (c)
2 2 2 V=750 cm3 (c)
$06-2(xy+xz+yz)=4x^2$
$xy+2xy+2y^2=2x^2$
$2x^2-3xy-2y^2=0$
2=[3y±1(9y2+16y2)]
4
$x = (3y + 5y)$ $\sqrt{3x + 5y}$
$\frac{4}{x-2y-7}$ $\sqrt{=x^3}$ $\frac{3}{2}$
$2 \cdot 1 = x$ $z = x$

Paralelepipedos e Cubios - 1	arefa Basica
01- modiobs internos 51-12.0,5)=51-1=50cm 26-12.0,5)=26-1=25cm 12,5-0,5=12 cm	A Lizem-alizm
Convertendo pora motros: 50 = 0,50 m (25cm = 0,2 100	5 12 = 0,12 m
Volume interno de caixa V= 0,5.0,25.0,12 V= 0,015 m³ (a) 02- Fermula de área total AT = 6.x² x-5 m	redich des arestes de cubo
$\frac{area + dal = 72 \cdot m^2}{72 = 6. x^2}$ $\frac{x^2 = 12}{x = 2\sqrt{3}} \rightarrow 12 \mid 2 \mid$ $\frac{area + dal = 72 \cdot m^2}{6 \mid 2 \mid 2^2.3}$	
Usb.h V=5.5.5 V=125	autra forma: V = 0.3 $V = 0.125.1000V = 0.53$ $V = 125LV = 0.125 m^3$

04-1m3=1000L	1m - 100l
Vaume = 10001-11=9991	~4999
-	1000c = 1.999
	1000-10002 = 999
05-V= deliro.2 = quadruplo	1000 x = 999 - 1000
44	1000x=-1
	x = -1 = 0.001 m
	1000 1mm
06 - anaa prisma	
(413)2. 13. 8 - 413. 415	.443
4	
H=4 area Total	
4 AT= (4.43)2	13.2.+3.413.16
H=16 4	
16.3.13.2	+19203
4	_
2413+192	13
216130	m- (D)
outra forma de reselver:	area total
Volume culto	A= 2.Ab+ Ac
V= Q3 A=	2. [413]2. 13]/4+3.16.419
V=(413/	2, [(16,3), 15]/4+192 12
V=64.343	148.13/4+192.13
V= 19213, A=3	1.12.13+192.13
A=3	141/3 + 192 15
Velume prisma A=	216 1/31
V=ab.A	
V= 0. (12/3)	15 - 0 US 15
192 (5 = h.(915) 9.195	2 13 = 8.4813
19218=101	4843
19213: 0.10.31314	tilibra