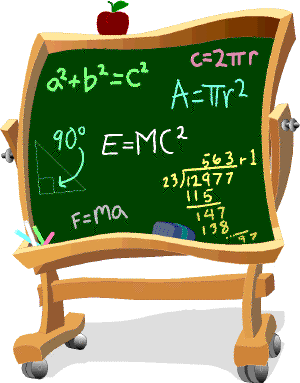
MATEMATICA

**clasa a VIII-a**



**Corpuri geometrice**

**Cubul**  Varfirile: A, B, C, D, A’, B’, C’, D’

D’ C’

Muchiile: [AB]; [BC]; [CD]; [DA]

A’

B’

[A’B’]; [B’C’]; [C’D’]; [D’A’]

Muchiile verticale: [AA’]; [BB’];

C

D

[CC’]; [DD’]

A B

Fete: ABCD; A’B’C’D’ (bazele)

Fete laterale: BCB’C’; ABB’A’; ABA’D’; DCC’D’

**Paralelipiped dreptunghic** Varfurile: A, B, C, D, A’, B’, C’, D’

D’ C’

Muchiile: [AB]; [BC]; [CD];

d

[DA]; [A’B’]; [B’C’]; [C’D’]; [D’B’]

A’

D C

Dreptunghiuri: ABCD;

B’

l (b)

h (c)

A’B’C’D’; BCC’B’; CDD’C’; DAA’D’; ABB’A’

L (a)

A B

L = AB = a – lungime

l = BC = b – latime

h = AA’ = c – inaltime

d = AC’ = diagonala paralelipipedului (4 diagonale)

**Prisma dreapta** ABCDA’B’C’D’-prisma

D’ C’

patrulatera regulata, dreapta

B’

A’

ABCD-patrat

[AB] [BC] [CD] [AD]

a

h

A B

C

D

AA’ – perpendicular pe baza

**Prisma triunghiulara** ABCDA’B’C’D’-prisma

A’ C’

triunghiulara regulata dreapta

ABCD- echilateral

B’

[AB] [BC] [CA]

AA’ –perpendiculara pe baza

A C

ABB’A’; BCC’B’; ACC’A’ – fete

B

laterale (dreptunghiuri)

**Prisma hexagonala** ABCDEF; A’B’C’D’E’F’- prisma

F’

hexagonala

C’

B’

E’

D’

A’

F E

C

B

A D

ABCDEF- hexagon regulat

[AB] [BC] [CD] [DE] [FA]

AA’- perpendicular pe baza

**Piramida patrulatera regulate** ABCD- patrat

[AB] [BC] [CD] [AD]= a

V

[VA] [VB] [CV] [VD]= m

[OA] [OC] [OB] [OD]

a – muchia bazei

m

D

m – muchia laterala

C

VO= h- inaltimea piramidei

M

O

A

VM- perpendicular pe BC

a

B

VM- ap (apotema piramidei)

A; B; C; D- varfurile bazei

VAB; VBC; VCD; VDA- fete laterale (triunghiuri isosceles)