

Aplicatii

1. Calculati: a) $10^{\circ}13' + 25^{\circ}34' =$

b) $29^{\circ}35' - 15^{\circ}55' =$

c) $27^{\circ} \cdot 4 =$

d) $26^{\circ}18' : 2 =$

2. Fie unghiurile : $\sphericalangle AOB = 15^{\circ}12'$ $\sphericalangle BOC = 25^{\circ}$

$\sphericalangle COD = 15^{\circ}12'$ $\sphericalangle DOF = 25^{\circ}$

a) Stabilite unghiurile congruente.

b) Determinati masura unghiului $\sphericalangle AOF$, daca
 $\sphericalangle AOF = \sphericalangle AOB + \sphericalangle BOC + \sphericalangle COD + \sphericalangle DOF$.

3. Calculati $115^{\circ}20' : 2 =$

4. Fie punctele A, B, C coliniare si nu apartin dreptei

d. a) Construiti simetricele punctelor A, B, C fata de dreapta

d

b) Stabiliti daca simetricele sunt coliniare.

Regelari:

1. a) $10^{\circ}13' + 25^{\circ}34' = 35^{\circ}47'$

b) $29^{\circ}35' - 15^{\circ}55' = 13^{\circ}40'$

c) $27' \cdot 4 = 108^{\circ}$

d) $26^{\circ}18' : 2 = 13^{\circ}9'$

2. a) unghiurile congruente sunt: $\sphericalangle AOB \equiv \sphericalangle COD$ si $\sphericalangle BOC \equiv \sphericalangle DOF$

$$\sphericalangle AOF = \sphericalangle AOB + \sphericalangle BOC + \sphericalangle COD + \sphericalangle DOF$$

$$= 15^{\circ}12' + 25^{\circ} + 15^{\circ}12' + 25^{\circ}$$

$$= 80^{\circ}24'$$