

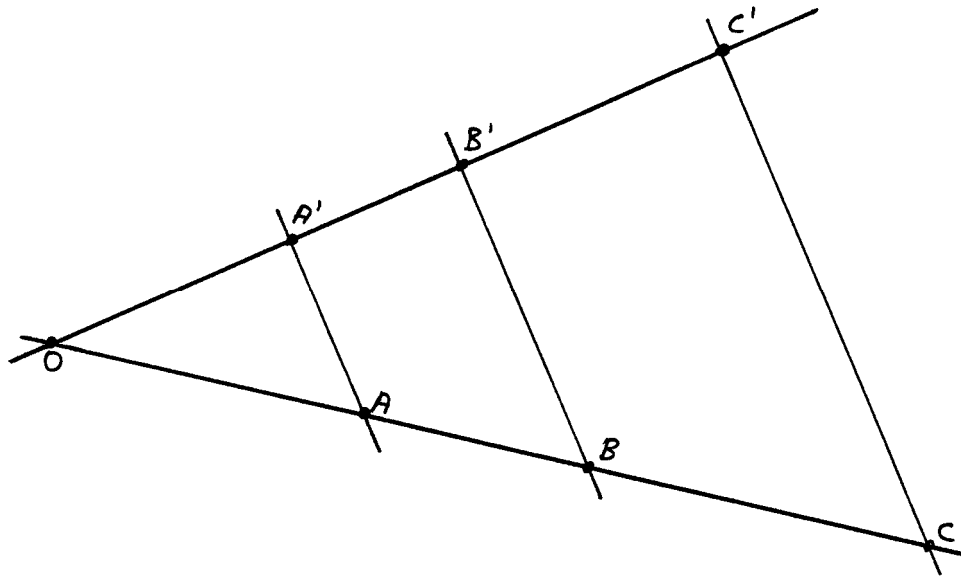
## Teorema di Talete - Teorema de Tales - Thales Theorem

Fonte: <http://www.toomates.net>

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Determina (senza usare il righello...) la lunghezza dei segmenti indicati utilizzando il teorema di Talete. Solo successivamente provate che la soluzione trovata è quella corretta ricorrendo alla misura diretta del segmento, sapendo che le figure sono in scala 1:1.

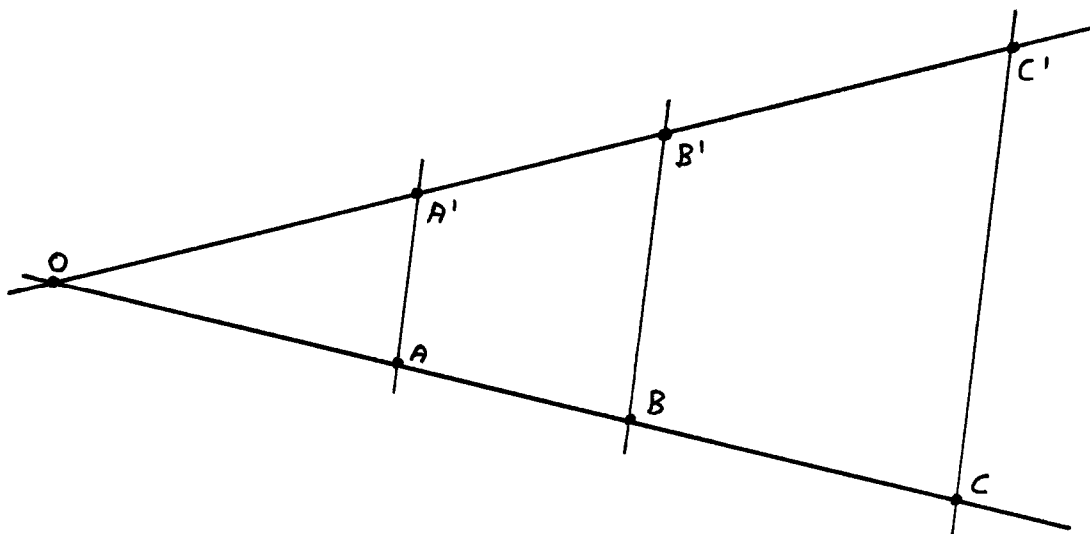
a)



$OA = 4,2 \text{ cm}$ ,  $AB = 3 \text{ cm}$ ,  $OA' = 3,4 \text{ cm}$ ,  $OC = 11,9 \text{ cm}$ .

$A'B' = ?$ ,  $OC' = ?$

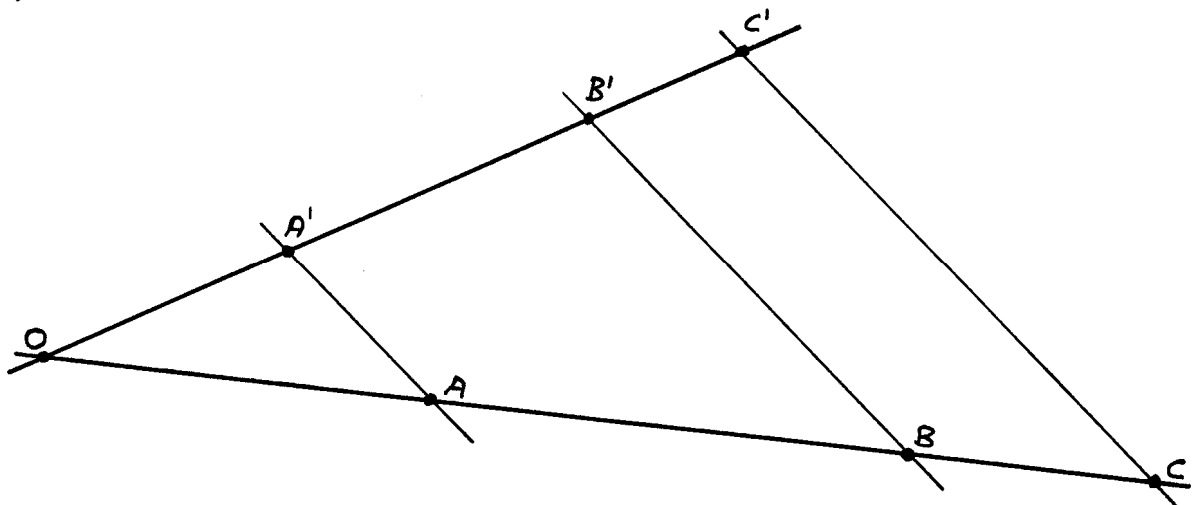
b)



$OB = 7,8 \text{ cm}$ ,  $OC = 12,3 \text{ cm}$ ,  $OB' = 8,3 \text{ cm}$ ,  $B'C' = 4,7 \text{ cm}$ ,  $OA = 4,7 \text{ cm}$ .

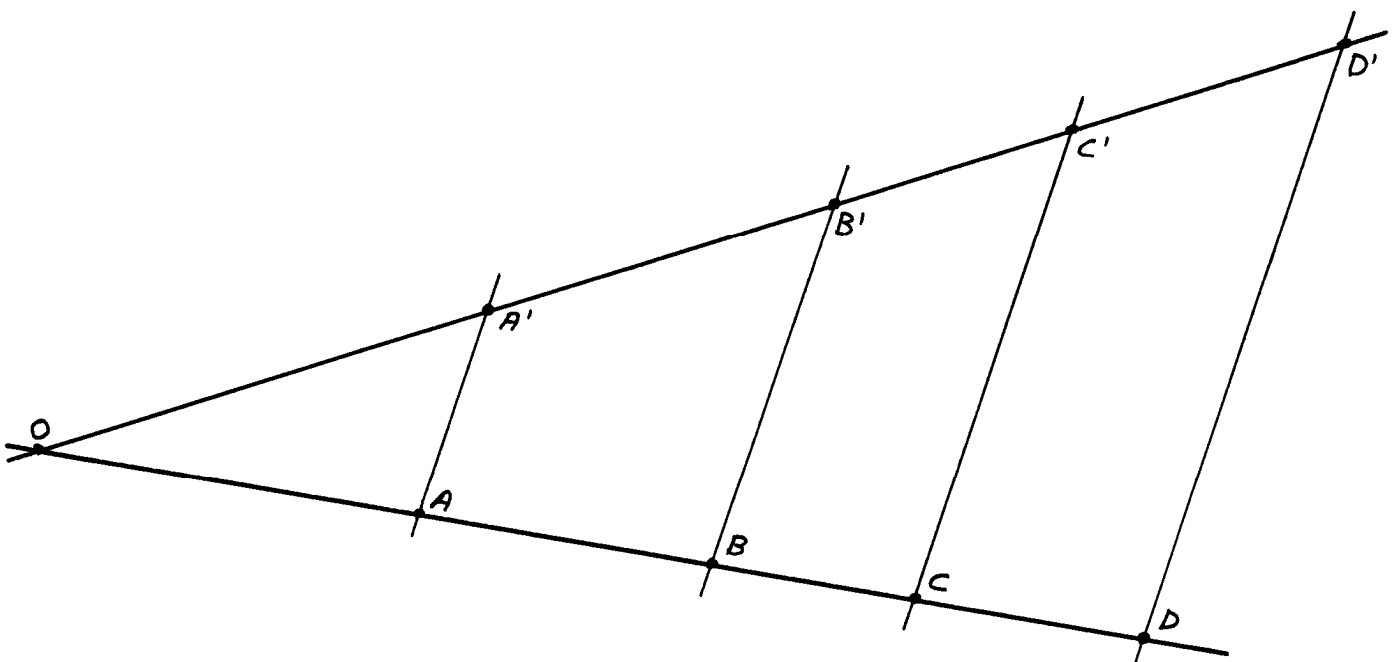
$OC' = ?$ ,  $BC = ?$ ,  $OA' = ?$

c)



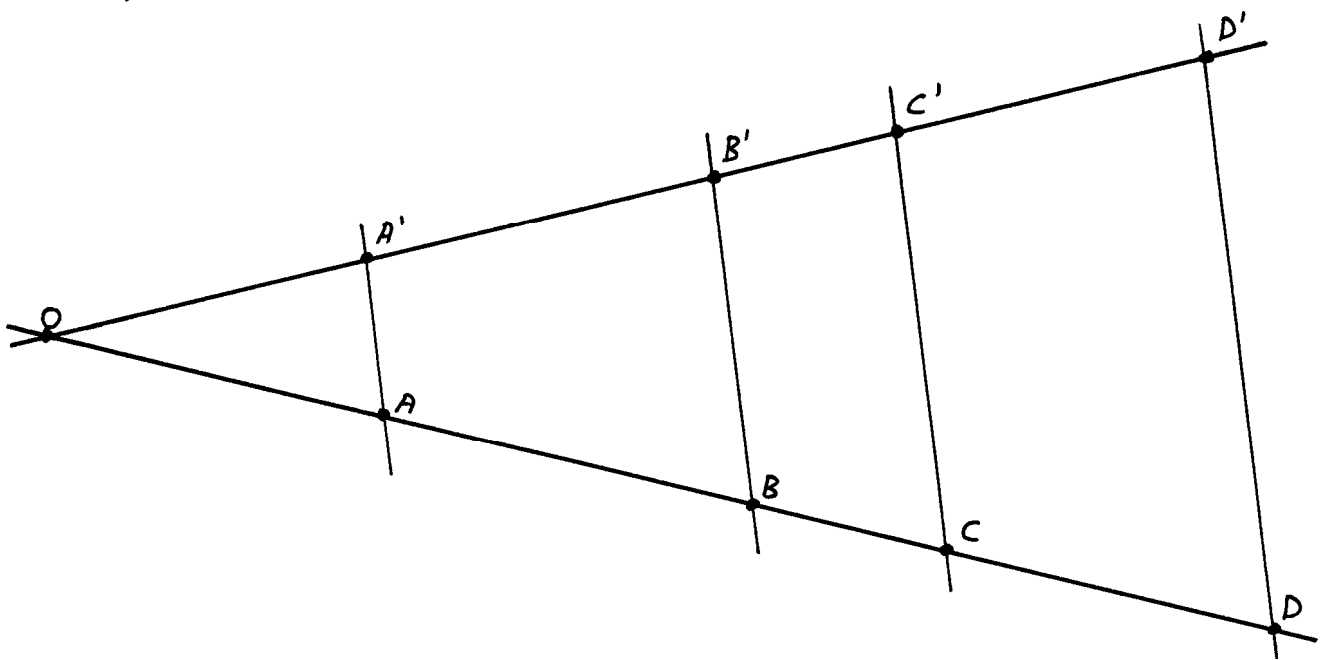
$OA' = 3,5$  cm,  $A'B' = 4,3$  cm,  $AB = 6,3$  cm,  $B'C' = 2,2$  cm,  
 $OA = ?$ ,  $BC = ?$

d)



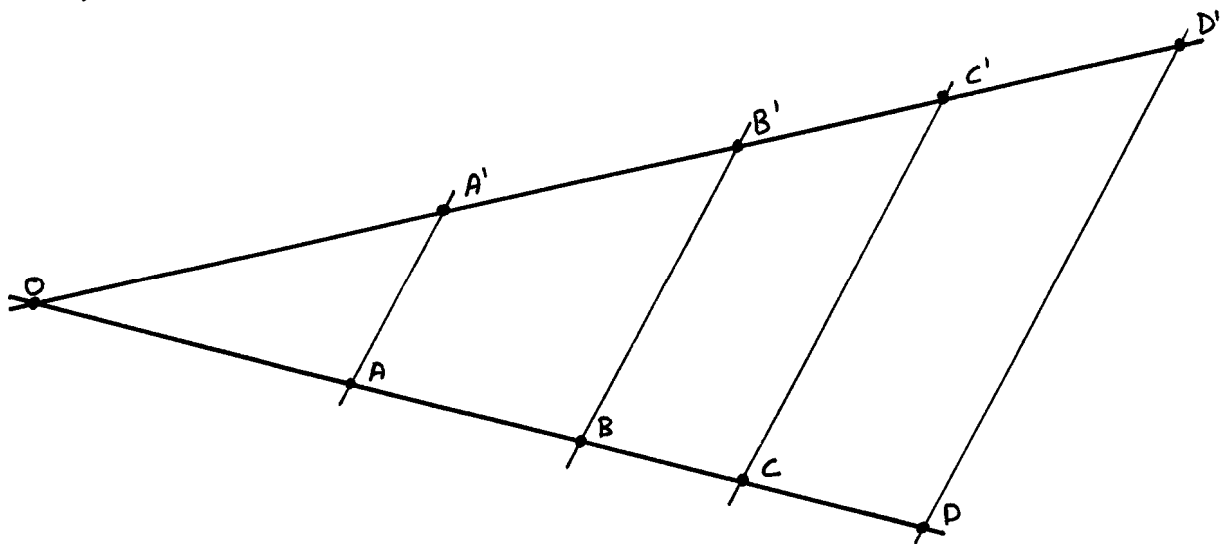
$B'D' = 7,1$  cm,  $A'C' = 8,1$  cm,  $AB = 3,9$  cm,  $BD = 5,8$  cm,  $OA = 5,1$  cm  
 $OA' = ?$ ,  $AC = ?$ ,  $A'B' = ?$

e)



$A'C' = 7,2 \text{ cm}$ ,  $OA = 4,5 \text{ cm}$ ,  $CD = 4,4 \text{ cm}$ ,  $B'D' = 6,7 \text{ cm}$ ,  $AC = 7,6 \text{ cm}$   
 $OA' = ?$ ,  $C'D' = ?$ ,  $BD = ?$

f)



$BD = 4,6 \text{ cm}$ ,  $AB = 3,1 \text{ cm}$ ,  $B'D' = 5,9 \text{ cm}$ ,  $OB' = 9,5 \text{ cm}$ ,  $CD = 2,4 \text{ cm}$   
 $A'B' = ?$ ,  $OB = ?$ ,  $C'D' = ?$ .