F

O

C

M

B

A

OM= OB = OF = R

BF = FC (по усл) = > OF – средняя линия ∆MBC

OF = ½ MC

AM:MC = 7:9 AM+MC = 8

7x+9x = 8 x = ½

MC = 4,5

**BM = 2R = 2OF = MC = 4,5**