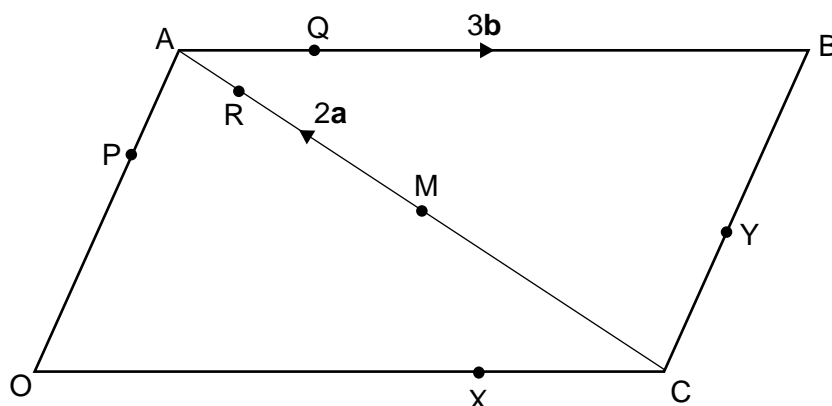


Spicy Question #49



NO Calculator



OABC is a parallelogram.

M is the midpoint of AC

$$\vec{MA} = 2\mathbf{a}$$

$$\vec{AB} = 3\mathbf{b}$$

$$OX : XC = 3 : 1$$

$$CY : YB = 2 : 3$$

$$AR : RM = 3 : 7$$

Points P, Q and R all lie on the same straight line.

PQ is parallel to XY.

Find OP : PA

SUBMISSION DEADLINE 27/2/23 - 7PM

Video
Solution



All submissions to be emailed to 1stclassmaths@gmail.com

Full terms and conditions: www.1stclassmaths.com/spicy-questions