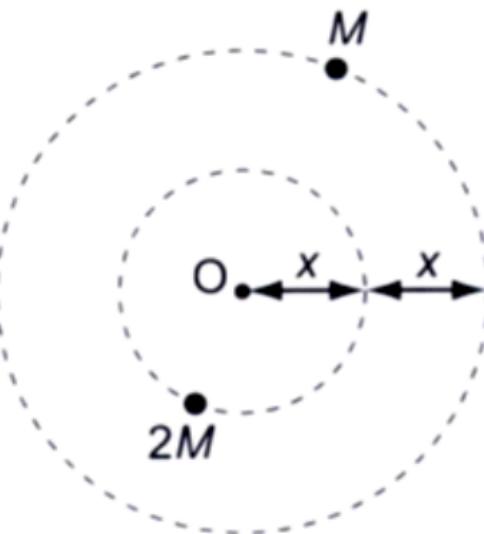


- 17 Two stars of mass M and $2M$, a distance $3x$ apart, rotate in circles about their common centre of mass O.



The gravitational force acting on the stars can be written as $\frac{kGM^2}{x^2}$.

What is the value of k ?

- A 0.22 B 0.50 C 0.67 D 2.0