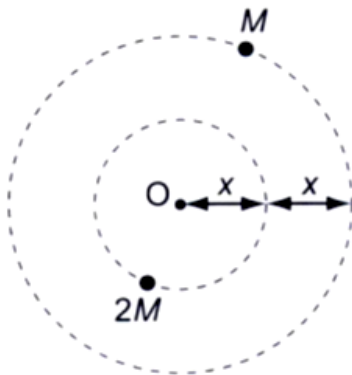


- 17 Two stars of mass M and $2M$, a distance $3x$ apart, rotate in circles about their common centre of mass O .



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

[Turn over