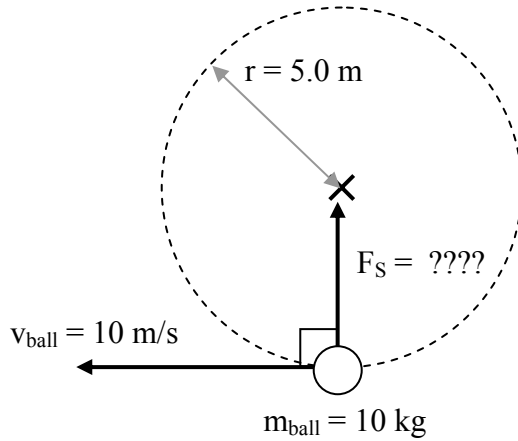


**W5.05****Basic Vertical Circles**

A ball is being spun in a vertical circle at a constant speed. The ball is connected to the center by a rigid rod supplying a support force. Find the missing values for these vertical circles.

1.



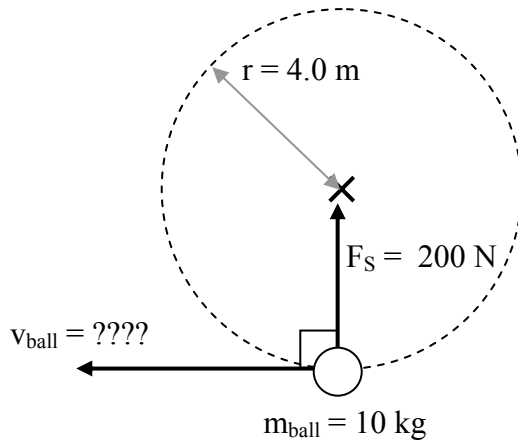
Find the following:

$$F_{\text{support}} \text{ (N)} =$$

$$\text{Period (s)} =$$

$$\text{Frequency (Hz)} =$$

2.

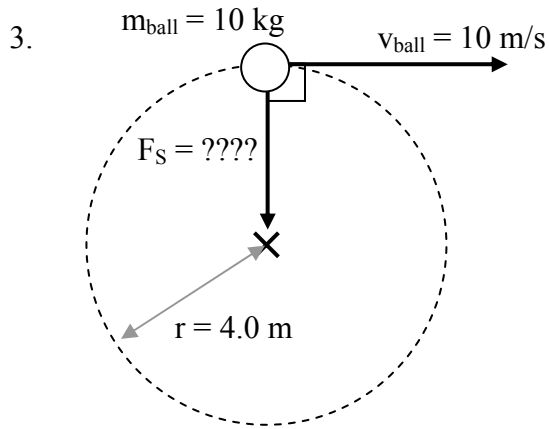


Find the following:

$$\text{Speed (m/s)} =$$

$$\text{Period (s)} =$$

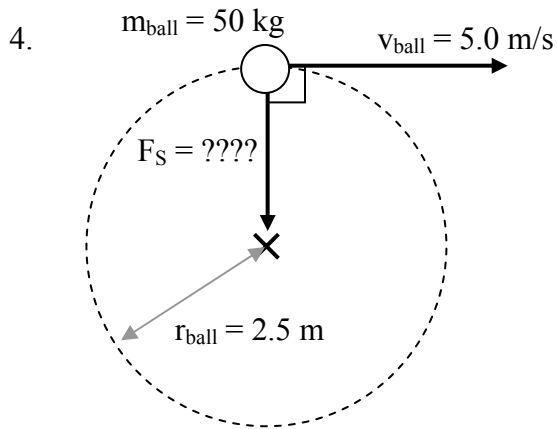
$$\text{Frequency (Hz)} =$$



Find the following:

$F_{\text{support}} \text{ (N)} =$

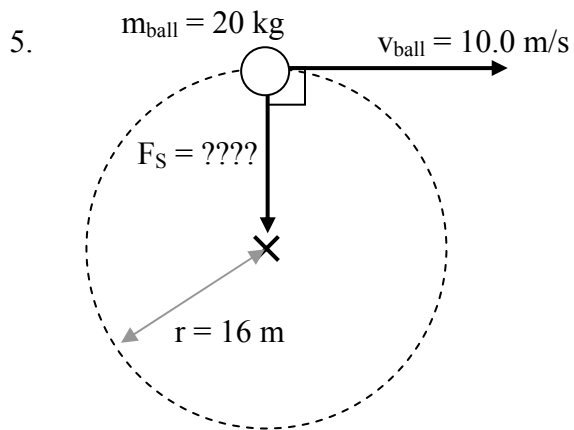
Period (s) =



Find the following:

$F_{\text{support}} \text{ (N)} =$

Period (s) =



Find the following:

$F_{\text{support}} \text{ (N)} =$

Frequency (Hz) =