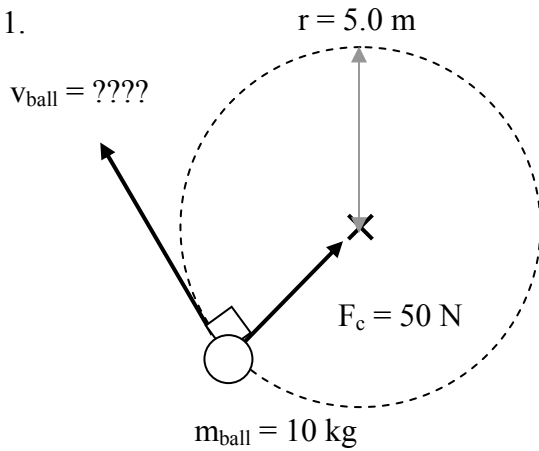


**W5.02**

**Basic Horizontal Circles**

Find the missing values for these horizontal circles. Assume speeds are constant.

1.



Find the following:

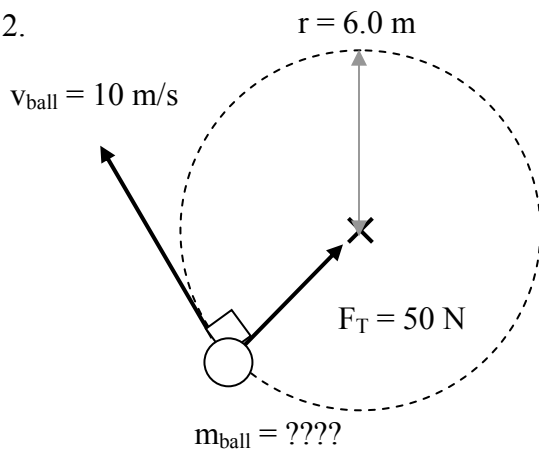
Speed (m/s) =

Circumference (m) =

Period (s) =

Frequency (Hz) =

2.



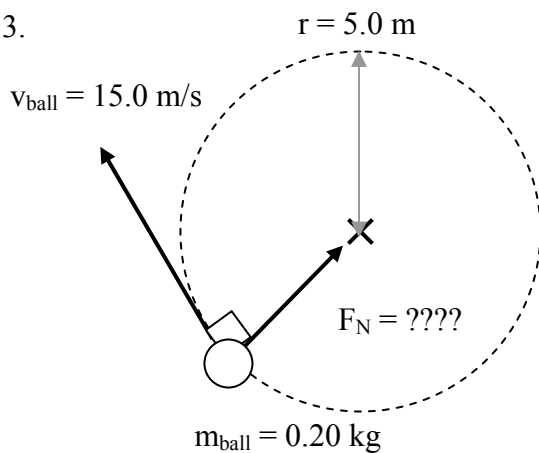
Find the following:

Mass (kg) =

Circumference (m) =

Period (s) =

3.



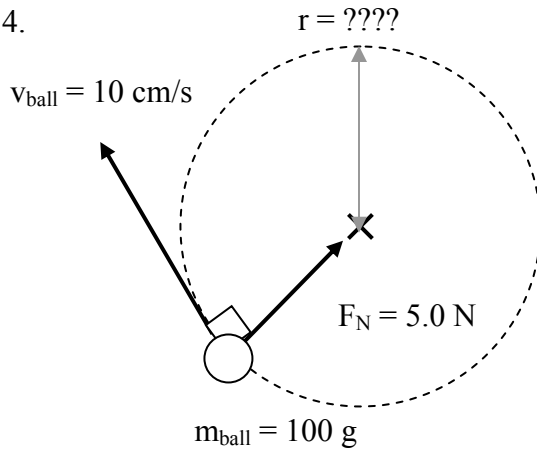
Find the following:

Normal Force (N) =

Circumference (m) =

Frequency (Hz) =

4.



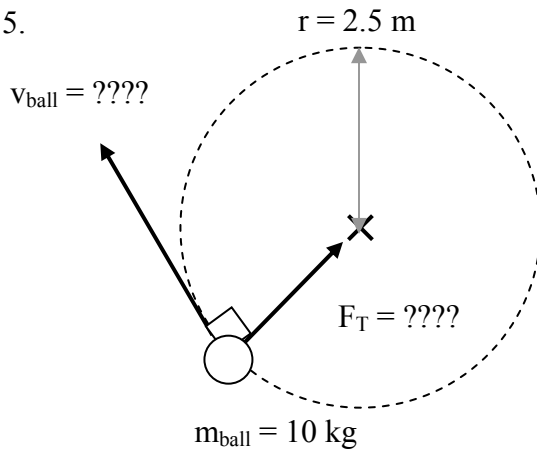
Find the following:

Radius (m) =

Circumference (m) =

Frequency (Hz) =

5.



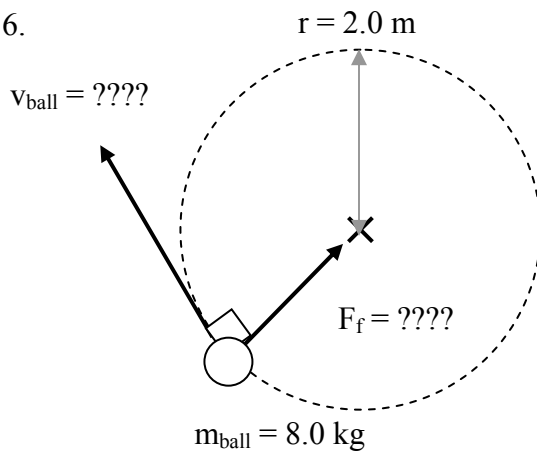
Find the following if the period is 3.14 s.

Circumference (m) =

Speed (m/s) =

Tension (N) =

6.



Find the following if the frequency is 4.0 Hz.

Circumference (m) =

Speed (m/s) =

Friction (N) =

Coefficient of friction =