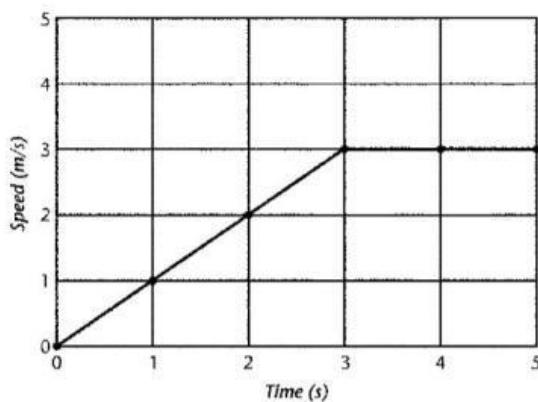


Unit 9 Extra Credit

Speed of a Ball Rolling Down a Ramp Onto the Floor



1. What two variables are plotted in the graph?
X axis variable _____ Unit
Y axis variable _____ Unit
2. What does the line segment on the graph from 0 to 3 seconds represent?
number only _____ unit m/s m/s/s m/s²
3. What is the acceleration of the ball between 0 and 3 seconds?
number only _____
4. What happened to the speed of the ball during the final two seconds?
yes no
5. Does the graph indicate that the ball decelerated?
yes no
6. How far did the ball move in the final 2 seconds?
number only _____