

Name: _____

Class: _____

Changing Gears

GRADES 6-8

Explain/Elaborate

Mass of the bike and rider (in kilograms) = _____

Record the time it took to ride 20 meters using gear 1.

Distance 20 m	Time (seconds)	Velocity (distance/time)	Acceleration (velocity/time)	Force (mass * acceleration)
Ride 1				
Ride 2				
Ride 3				

Predict: How do you think your acceleration will compare when using gear 3?

Predict: How do you think your force will compare when using gear 3?