Formative assessment:
Students in Class

Acceleration Worksheet

Equations:

Acceleration = Final velocity – Initial velocity

1. A roller coaster car rapidly picks up speed as it rolls down a slope. As it starts down the slope, its **speed is 4 m/s**. But **3 seconds later**, at the bottom of the slope, its speed is **22 m/s**.

What is its average acceleration?

Acceleration = $\dfrac{\boxed{} - \boxed{}}{\boxed{}}$ = $\boxed{}$ m/s2

2. **Choose the positive acceleration:**

LIVEWORKSHEETS