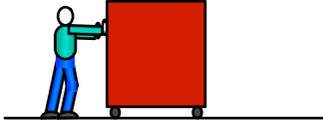# Week 11 2nd Law

3 Situations A

The person pushes the 30 kg crate with a force of 90 N. If the crate starts from rest (0 m/s), how fast will it be going after 4 seconds?
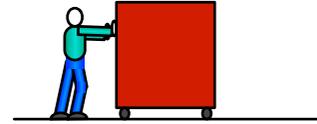

=

speed at start	speed after ____ sec

The person pulls the 40 kg crate with a force of 160 N. If the crate was already moving to the right at 1 m/s, how fast will it be going after 2 seconds?

=

speed at start	speed after ____ sec

The person hits the 1 kg ball with a force of 100 N. If the ball was at rest (0 m/s), how fast will it be going after 0.5 seconds?

=

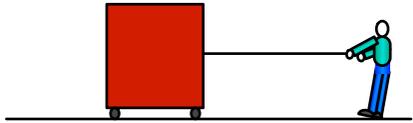| speed at start	speed after ____ sec

Week 11 2nd Law

3 Situations B

The person pushes the 40 kg crate with a force of 80 N. If the crate starts from rest (0 m/s), how fast will it be going after 4 seconds?

=
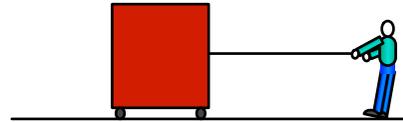
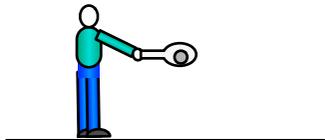| speed at start	speed after ____ sec

The person pulls the 25 kg crate with a force of 75 N. If the crate was already moving to the right at 1 m/s, how fast will it be going after 2 seconds?

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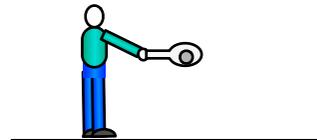| speed at start	speed after ____ sec

The person hits the 1 kg ball with a force of 80 N. If the ball was at rest (0 m/s), how fast will it be going after 0.5 seconds?

=

speed at start	speed after ____ sec