## Wk30 Momentum

1 Simulation



Afterwards did it: Go right? Left? Stop?

Afterwards did it: Go right? Left? Stop?



Afterwards did it: Go right? Left? Stop?

Afterwards did it: Go right? Left? Stop?

After you've finished, go back and calculate the momentum of both vehicles using the formula below.

How could you have predicted which way they will go?

Momentum = mass • velocity

• p = m • v

- Momentum = mass velocity
- p = m v

In each situation fill in a missing mass and/or velocity to make it go the way indicated



Afterwards it STOPPED

Afterwards it STOPPED



Afterwards it WENT RIGHT

## Afterwards it WENT RIGHT

Situation 9					Situation 10		_
Momentum	Vehicle 1	Vehicle 2	Momentum	Momentum	Vehicle 1	Vehicle 2	Momentum
	1000 kg	2000kg			800 kg	600 kg	
	2 m/s		ļ]		2 m/s		I

Afterwards it WENT LEFT

Afterwards it WENT LEFT