

# Momentum

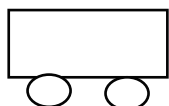
**Unit 1**

Mechanics &  
Properties of Matter



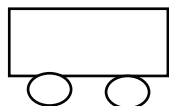
Watch the virtual experiment and record the data before and after the trolleys collide.  
The mass of each trolley is 1 kilogramme.

Before collision



Mass =

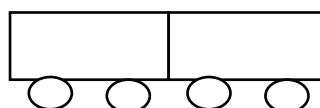
Velocity =



Mass =

Velocity =

After collision



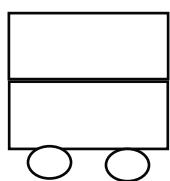
Mass =

Velocity =

Total Momentum Before

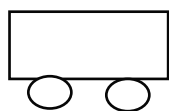
Total Momentum After

Before collision



Mass =

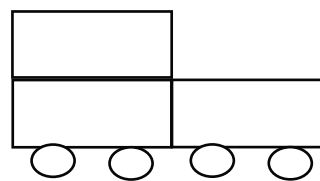
Velocity =



Mass =

Velocity =

After collision



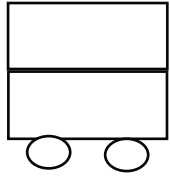
Mass =

Velocity =

Total Momentum Before

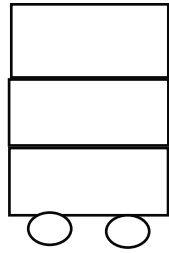
Total Momentum Afterwards

Before collision



Mass =

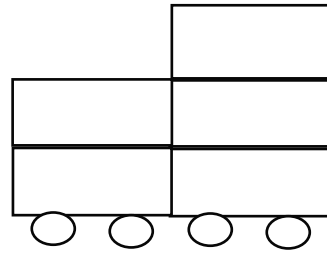
Velocity =



Mass =

Velocity =

After collision



Mass =

Velocity =

Total Momentum before collision

Total momentum after collision

**Conclusion**