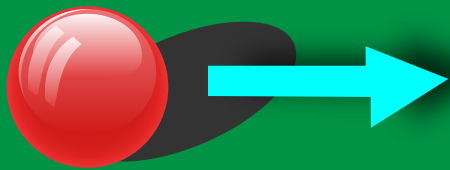
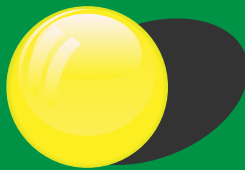


before collision



first ball

momentum =  $m \times v$



second ball

momentum = 0

after collision



collision transfers  
momentum from the  
first ball to the second

first ball

momentum = 0

second ball

momentum =  $m \times v$