

## Momentum 1

### Answers

1) 5000kg m/s

2) motor cycle

3) car

4) 4N

5) 400N

6) 4m/s

7) 8000N

8) 4s

9) seatbelt, crumple zone of car, air bags, crash barriers on motorways.

10) a) 10 000N b) seatbelts increase the time taken to come to a stop, reducing the force. They could also prevent the passenger from hitting the dashboard.