

Average velocity and speed

Name _____

Date _____

Show displacement, distance and time.

Problem	Answer	Problem	Answer
1. Walk 400 m east in 5 min, then 100 m west in 1 min		4. 120 km in 1.5 h	
2. Lap of a 400 m track in 100 s		5. Ball thrown up and caught at the same height	
3. Car from 0 to 20 m/s with constant acceleration			

Answer key — Average velocity and speed

#	Problem	Answer
1	Walk 400 m east in 5 min, then 100 m west in 1 min	Speed 83.3 m/min; velocity 50 m/min east
2	Lap of a 400 m track in 100 s	Speed 4 m/s; velocity 0
3	Car from 0 to 20 m/s with constant acceleration	Average velocity 10 m/s
4	120 km in 1.5 h	80 km/h
5	Ball thrown up and caught at the same height	Average velocity 0