

Distance, Speed and Time Practice

1. Hunter gets his license and decides to show off for Sami so he tears down Hampton Road at 97 km/h. How much time would it take him to travel 6.0 km?
2. Julia and Rachele decide to try out for the cross country running team. How far would they get if they can run 36 km/h for 5 min before collapsing?
3. Josh M gets a drive to school but the car gets a flat tire on the way. He doesn't want to be late for science class so runs the rest of the way. If he is 5.0 km away and can run 15 km/h, how long will it take him to get there?
4. How much time would it take Dax to walk 2 km to McDonald's for an Angus burger if he walked at a rate of 4.5 km/h?
5. MacKenzie decides to skip science class (actually, she would never do that!) but then sees Ms. Jensen in the hallway so she takes off running. What is her average velocity if she goes 100 m down the hallway in 9.83 s? Give your answer in m/s and km/h.
6. Josh M is staying over at Parker's house and they are coming home late, past their curfew. As they sneak in quietly, trying not to wake up his parents, they slink up the stairs moving 10.7 m in 26.8 s. Find their speed.
7. The night before a big science quiz, Aina, Jose, Bianca and Defne decide to study together but instead end up watching chick flicks all night long. Now they don't want to write the quiz and are dragging themselves to class. If their speed is 0.2 m/s, how far will they move in 28 s?
8. Matt has borrowed his parents' car without permission and is driving without a license. He sees them out walking and realizes that they will be home in about 45 seconds. He is 500 m from home and driving 25 m/s. Will she get to the driveway before they do?
9. Some girls are skating at the QPlex and Richard thinks one of them is cute and decides to impress her by doing some tricks. Unfortunately, he is staring at her and crashes into Kasey – an innocent bystander. He falls, making a fool of himself. Calculate how far he will slide on the ice if he were skating at 12 m/s and slid for 2.5 s.
10. Lochlan is pretty pumped about some new Vans he's getting and can't wait to buy them. He runs across the parking lot to the store at 34 m/s. If it takes him 2.5 s to reach the store, how far away was the car parked?