

# DECIMAL DUMMIES

You may think that doing math work sheets is a lot of trouble. Things could be a lot worse! Take Morris and Morty for instance. They are crash test dummies. Their job is to be in car crashes!

This morning, the engineers are testing cars by launching them through the air with a giant catapult. They throw the car with Morris in it a distance of 120.5 meters. They throw the car with Morty in it 105.25 meters. Then they put both Morris and Morty in the same car and throw that 93.75 meters. What was the total distance that Morris was thrown? What was the total distance that Morty was thrown? How much further did Morris get thrown than Morty?

After lunch, the engineers decide to try dropping some cars on Morris and Morty. They drop three cars on Morris. The cars weigh 1.6 tons, 1.8 tons and 1.5 tons, respectively. They only drop one car on Morty. Unfortunately, it is a delivery truck weighing 6.2 tons! Who had the most weight dropped on them? How much more was it?

The scientists decide to stop messing around and get back to work. They put Morris and Morty into a car and send it hurtling into oncoming traffic! (don't worry... there are no people in the cars). Their car travels 12.2 meters before it hits a sedan. It bounces off and rolls another 6.2 meters before landing in front of a fire truck. The fire truck hits Morris and Morty's car and sends it flying. They fly 8 meters, then bounce twice for distances of 6.1 meters and 3.3 meters. Morris and Morty's car then explodes, sending the burning wreckage flying another 14.4 meters before it comes to rest. How far did Morris and Morty travel in their adventure?

After exchanging high-fives, the team decides on one more test. They stick a rocket booster onto Morris and Morty's car and launch it into space! The dummies ascend to 63.45 miles above the Earth before the rocket runs out of fuel and they begin to fall back to earth. The international space station is flying at an altitude of 254 miles directly above the launch site. How close did Morris and Morty come to the space station?

