

## Proportions – Word Problems

1. Five milliliters of a children's medicine contains 400 mg of the drug amoxicillin. How many mg of amoxicillin does 25 mL contain?
2. Two weights are balanced on a fulcrum. If a 6 lb weight is positioned 1.5 ft. from the fulcrum at what distance from the fulcrum must an 18 lb weight be placed to keep the weights balanced?
3. In 2002, a 30-second commercial during the Super Bowl cost an average of 19,000. At this rate, how much would a 45 second commercial cost?
4. A swimmer swims 1.5 laps every 25 seconds. How many laps will she swim in 2 minutes?
5. Bob can travel on his bike 40 miles in 120 minutes. How many hours will it take Bob to travel 135 miles?
6. A baseball player gets 54 hits in 225 times at bat. How many hits will the baseball player get at 500 times at bat?
7. A microchip inspector found three defects in a batch containing 750 chips. How many defects should the inspector find in a batch of 10000 chips?
8. The local convenience store is selling candy bars at a price of 24 for \$8.00. At the same rate, how much will 6 bars cost?