

Verbal Problems Involving Ratio and Proportion

- Four hot dogs cost \$6.
 - How much will it cost to buy 30 hot dogs?
 - How many hot dogs can you buy with \$93?
- Maria is making pancakes for the annual pancake breakfast. She needs two cups of batter to make eight pancakes. If Maria needs to make 1,200 pancakes, how many cups of batter does she need?
- A house which is assessed for \$20,000 pays \$600 in taxes. What should the tax be on a house assessed at \$45,000?
- A store sells a package of juice boxes for \$3.00.
 - How much will three packages of juice boxes cost?
 - Grace is stocking up on juices for a fundraiser. She bought \$255 worth of packages of juice boxes. How many packages did she purchase?
- The dimensions of a building are 250 feet by 120 feet. If 1 inch represents 20 feet on a scale drawing, what are the dimensions of the building on the drawing?
- If the instructions for cooking a turkey state "Roast turkey at 325° for 20 minutes per pound," how many minutes will it take to roast a 25-pound turkey at 325° ? Express your answer in hours and minutes.
- There are 357 seniors in Harris High School. The ratio of boys to girls is 7:10. How many boys are in the senior class?
- During a recent winter, the ratio of deer to fox was 7 to 3 in one county of New York State. If there were 210 fox in the county, what was the number of deer in the county?
- The profits in a business are to be shared by the three partners in the ratio of 3 to 2 to 5. The profit for the year was \$200,000. Determine the number of dollars each partner is to receive.
- A total of \$450 is divided into equal shares. If Kate receives four shares, Kevin receives three shares, and Anna receives the remaining two shares, how much money did Kevin receive?
- Roberta needs ribbon for a craft project. The ribbon sells for \$6 per 5 yards. Find the cost for 20 yards of ribbon.
- The ratio of boys to girls at Health Professions High School is 2:3. If there are 186 boys in the class, how many girls are there?