Name: Date: Class Period:

1. Find 120% of 84.
2. Find 0.45% of 35.
3. 84 is 60% of what number?
4. What number is 88% of 300?
5. In Mr. Palmer’s science class, 37.5% of the students have completed their science project. Of the remaining students, 40% have completed only half of their science project. If there are 32 students in Mr. Palmer’s science class, how many of these students have completed half of their science project?
6. Car stereo systems at Jake’s Electronics are discounted 15%. If the sales tax rate is 6%, how much will a $375 stereo system coast?
7. A scooter is 3 ½ feet long. Find the length of a scale model of the scooter is the scale is 1 inch = ¾ feet.
8. On a map, the distance from Akron to Cleveland measures 2 cm. What is the actual distance if the scale of the map shows that 1 cm is equal to 30 kilometers?
9. Julie is constructing a scale model of her room. The rectangular room is 10 ¼ inches by 8 inches. If 1 inch represents 2 feet of the actual room, what is the scale factor and the actual area of the room?
10. Ernesto drew a map of his school. He used the scale of 1 inch : 50 feet. What distance in inches on Ernesto’s map should represent the 625 feet between the cafeteria and the science lab?