Math 060
Ratio and Proportion and Percent Worksheet

Write proportion in simplest form. Express answer as a fraction:

1. 255 meters to 16 meters

Write as a rate in simplest form:

2. 9541 revolutions for every 18 miles

Write as a proportion:

4. Last year the Little League Baseball finals held 2220 people on 100 benches. This year we will have 2750 people on 125 benches.

Solve:

5. In the beginning scuba diving course, there are 94 male students and 54 female students. In the intermediate scuba diving course, there are 144 male students and 81 female students. Is the ratio of male students to female students the same in both courses?

6. $\dfrac{12}{9} = \dfrac{21}{n}$

7. $\dfrac{4\frac{1}{2} \text{ acres}}{3 \text{ people}} = \dfrac{n \text{ acres}}{5 \text{ people}}$

8. $\dfrac{9\,\frac{1}{6}}{n} = \dfrac{5\,\frac{1}{2}}{7\,\frac{1}{3}}$

9. On a tour guide map of Madagascar, the scale states that 3 inches represents 125 miles. Two beaches are 5.3 inches apart on the map. What is the approximate distance in miles between the two beaches? Round your answer to the nearest mile.

10. The employee at a local coffee shop know that during their morning rush, 4 out of every 15 people who buy coffee will also buy a muffin. They use this fact to make sure they bake enough muffins. If they are expecting 300 customers in the next few days, how many muffins will they need to have prepared?

Write as a percent:

11. $^{47}/_{100}$

12. 0.008