

Math Homework: due March 19th
pages 55-57: #4, 5, and 15-17

4. The organizers of an environmental conference order buttons for the participants. They pay \$18 for 12 dozen buttons. Write and solve proportions to answer each question. Assume that price is proportional to the size of the order.

- How much do 4 dozen buttons cost?
- How much do 50 dozen buttons cost?
- How many dozens can the organizers buy for \$27?
- How many dozens can the organizers buy for \$63?

5. Denzel makes 10 of his first 15 shots in a basketball free-throw contest. His success rate stays about the same for his next 100 free throws. Write and solve a proportion to answer each part. Round to the nearest whole number. Start each part with the original 10 of 15 free throws.

- About how many free throws does Denzel make in his next 60 attempts?
- About how many free throws does he make in his next 80 attempts?
- About how many attempts does Denzel take to make 30 free throws?
- About how many attempts does he take to make 45 free throws?

15. **Multiple Choice** Which cereal is the best buy?

- F. a 14-ounce box for \$1.98
- G. a 36-ounce box for \$2.59
- H. a 1-ounce box for \$0.15
- J. a 72-ounce box for \$5.25

16. Which is the better average: 10 of 15 free throws, or 8 of 10 free throws?

17. Which is the better home-run rate: two home runs per 60 times at bat, or five homeruns per 120 times at bat?