1. Ed had to make a part for his bulldozer. He started with a piece of metal 1.725 in. wide and added 0.4 in. of metal. Then he ground off 0.12 in. for a perfect fit. How wide was the piece of metal?

  A 2.125 in.

  B 2.025 in.

  C 2.005 in.

  D 1.650 in.

2. A cellular phone company includes 500 minutes for $39.00 and charges 42¢ for each additional minute. Which expression could be used to find the cost of 612 minutes for one month?

  A 39 + 0.42(612)

  B 39 + 0.42(500)
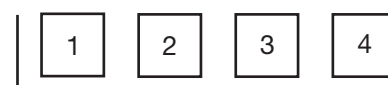
  C 0.42(612) − 39

  D 39 + 0.42(612 − 500)

3. The seating at a college basketball arena is divided into 18 sections. If the arena holds 16,812 spectators, what is the average number of seats in each section?

  A 822

  B 834

  C 922

  D 934

4. Which equation shows an example of the Distributive Property?

  A (8 × 2) × 6 = 8 × (2 × 6)

  B 12 + 3 = 3 + 12

  C 2(8) + 2(5) = 2(8 + 5)

  D 15 × 1 = 15

5. Which is the greatest length: 2 miles, 4,112 yards, or 167,616 inches? Show your work.

_____

_____

_____

_____

_____

6. Find the equivalent decimal and percent for the mixed number $2\frac{7}{8}$. Show your work.

_____

_____

7. Alysha, Jorge, Suzanne, and Henry live in houses 1, 2, 3, and 4 on Pine St. Henry does not live in House 3. Alysha lives on the corner. Suzanne lives closer to Alysha than to Henry. Who lives in House 3?

Pine Street

_____

8. What is the difference between 8^4 and 8 × 4?

_____

_____

_____