Rates, Ratios, Proportions Review

1. The exchange rate for United Arab Emirates currency and Egyptian currency is 1 AED = 4.28 EGP.
   A. Create a ratio in fraction form that shows the exchange rate

   $$\frac{\boxed{\phantom{xx}}}{\boxed{\phantom{xx}}}$$

   B. Using proportional reasoning, show how many EGP (Egyptian Pounds) that are equivalent to 12 AED.

   $$\frac{\boxed{\phantom{xx}}}{\boxed{\phantom{xx}}} = \frac{\boxed{\phantom{xx}}}{\boxed{\phantom{xx}}}$$    12 AED are equivalent to $\boxed{\phantom{xx}}$ EGP

2. 570 people die from smoking related diseases every day. (Create a ratio then use proportional reasoning to find the answer.)
   a. How many people die from smoking related diseases every hour?

   $$\frac{\boxed{\phantom{xx}}}{\boxed{\phantom{xx}}} = \frac{\boxed{\phantom{xx}}}{\boxed{\phantom{xx}}}$$    $\boxed{\phantom{xx}}$ is the amount that die from smoking every hour.

   b. How many people die from smoking related diseases every week?

   $$\frac{\boxed{\phantom{xx}}}{\boxed{\phantom{xx}}} = \frac{\boxed{\phantom{xx}}}{\boxed{\phantom{xx}}}$$    $\boxed{\phantom{xx}}$ People die from smoking related diseases every week.

   c. How many people die from smoking related diseases every year?

   $$\frac{\boxed{\phantom{xx}}}{\boxed{\phantom{xx}}} = \frac{\boxed{\phantom{xx}}}{\boxed{\phantom{xx}}}$$    $\boxed{\phantom{xx}}$ People die from smoking related diseases every year.

3. The width to length ratio of the rectangles is 3 to 5. Fill in the missing lengths.
   (Hint: The width is the shorter side; the length is the longer side.)

   6 inches          30 inches          $$\frac{\boxed{\phantom{xx}}}{\boxed{\phantom{xx}}} = \frac{\boxed{\phantom{xx}}}{\boxed{\phantom{xx}}}$$

4. You type 200 words in 5 minutes. Brenda types 240 words in 6 minutes.

   a. How many words you type in 1 minute?

   $$\frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} = \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}}$$

   b. How many words does Brenda type in a minute?

   $$\frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} = \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}}$$

   c. Who types the fastest?

   $\boxed{\phantom{000000}}$ types the fastest.