Name _____ Date _____

1. Multiply using fraction form and unit form. Check your answer by counting the decimal places.
   The first one is done for you.

   a. $3.3 \times 1.6 = \frac{33}{10} \times \frac{16}{10}$

   $= \frac{33 \times 16}{100}$

   $= \frac{528}{100}$

   $= 5.28$

   3 3 tenths
   × 1 6 tenths
   1 9 8
   + 3 3 0
   5 2 8 hundredths

   b. $3.3 \times 0.8 =$

   3 3 tenths
   × 8 tenths

   c. $4.4 \times 3.2 =$

   d. $2.2 \times 1.6 =$

2. Multiply. The first one is partially done for you.

   a. $3.36 \times 1.4 = \frac{336}{100} \times \frac{14}{10}$

   $= \frac{336 \times 14}{1{,}000}$

   $= \frac{4{,}704}{1{,}000}$

   $= 4.704$

   3 3 6 hundredths
   × 1 4 tenths

   b. $3.35 \times 0.7 =$

   3 3 5 hundredths
   × 7 tenths

   c. $4.04 \times 3.2 =$

   d. $4.4 \times 0.16 =$

3. Solve using the standard algorithm. Show your thinking about the units of your product. The first one is done for you.

a. $3.2 \times 0.6 = 1.92$

3 2 tenths
× 6 tenths
1 9 2 hundredths

$$\frac{32}{10} \times \frac{6}{10} = \frac{32 \times 6}{100}$$

b. $2.3 \times 2.1 =$ _____

2 3 tenths
× 2 1 tenths

c. $7.41 \times 3.4 =$ _____

d. $6.50 \times 4.5 =$ _____

4. Erik buys 2.5 pounds of cashews. If each pound of cashews costs $7.70, how much will he pay for the cashews?

5. A swimming pool at a park measures 9.75 meters by 7.2 meters.
   a. Find the area of the swimming pool.

   b. The area of the playground is one and a half times that of the swimming pool. Find the total area of the swimming pool and the playground.

Answer Key

1. a. Answer provided
   b. 2.64
   c. 14.08
   d. 3.52
2. a. Answer provided
   b. 2.345; 2,345 thousandths
   c. 12.928; 12,928 thousandths
   d. 0.704; 704 thousandths
3. a. 1.92
   b. 4.83; 483 hundredths
   c. 25.194; 25,194 thousandths
   d. 29.25; 2,925 hundredths
4. $19.25
5. a. 70.2 sq. m
   b. 175.5 sq. m