

2.5

Multiplying Decimals (Honors)

Name _____ Period _____

Placing the Decimal Point

In Exercises 1–4, use the table.

1. How much taller is a roll of nickels than a roll of dimes?
2. How much taller is a roll of pennies than a roll of quarters?
3. You have 6 rolls of pennies and 4 rolls of quarters.
 - a. How much money do you have?
 - b. How much do the coins weigh?
4. You have 1 roll of nickels, 4 rolls of dimes, and 2 rolls of quarters. Your friend has 3 rolls of pennies, 2 rolls of nickels, 1 roll of dimes, and 3 rolls of quarters.
 - a. Who has more money?
 - b. By how much?

Coin	Thickness (mm)	Weight (oz)	Coins per Roll
Penny	1.55	0.088	50
Nickel	1.95	0.176	40
Dime	1.35	0.08	50
Quarter	1.75	0.2	40

Fill in the blanks and place a decimal point in the first factor to complete the statement.

$$\begin{array}{r} \square 6 \\ \times 9.\square \\ \hline 33\square \end{array}$$

$$\begin{array}{r} 78\square \\ \times \square .4 \\ \hline 312\square \end{array}$$

$$\begin{array}{r} 5\square 4 \\ \hline 5\square .76 \end{array}$$

$$\begin{array}{r} 23\square 6 \\ \hline 26.\square 88 \end{array}$$