



Name

Date

Multiply. Express the product in unit form and standard form.

1. 32×0.3

_____ \times _____ tenths = _____ tenths = _____

2. 32×0.04

_____ \times _____ hundredths = _____ hundredths = _____

3. Use your answers in problems 1 and 2 to help you find 32×0.34 . Show your work.

4. Consider the expression.

$$48 \times 2.3$$

a. Estimate the product. Show your work.

$$48 \times 2.3 \approx \underline{\hspace{2cm}}$$

b. Find the product. Show your work.

$$48 \times 2.3 = \underline{\hspace{2cm}}$$

c. Is the answer you wrote in part (b) reasonable? How do you know?

Find the product.

5. $43 \times 0.2 =$ _____

6. $0.4 \times 38 =$ _____

7. $3.8 \times 21 =$ _____

8. $24 \times 1.5 =$ _____

9. $3.6 \times 35 =$ _____

10. $56 \times 4.28 =$ _____

11. $97 \times 5.12 =$ _____

12. $15.02 \times 61 =$ _____

13. Kelly evaluated 3.6×24 . Consider Kelly's way.

Kelly's Way

$$\begin{array}{r}
 3.6 \times 24 = \underline{86.4} \\
 \begin{array}{r}
 3.6 \xrightarrow{\times 10} 36 \\
 \times 24 \\
 \hline
 144 \\
 + 720 \\
 \hline
 864
 \end{array}
 \end{array}
 \quad 864 \div 10 = 86.4$$

Explain how Kelly can use a similar strategy to find 3.67×24 .

Use the Read–Draw–Write process to solve each problem.

14. The 24 students in Miss Song's class each need 1.75 liters of water for a science experiment. How many liters of water do the students in Miss Song's class need in all?

15. The school cafeteria makes 43 boxes of pasta for lunch. Each box has 0.45 kilograms of pasta.
- How many kilograms of pasta are in 43 boxes?
 - The cafeteria serves 15.4 kilograms of pasta for lunch. How many kilograms of pasta are left to serve?