Name: _LOZ_____

Multiplying Decimals

Find each product. Show your work.

a.
$$\begin{array}{r} \overset{1\ 4}{3\ 2.\ 8} \\ \times\quad 6 \\ \hline 196.8 \end{array}$$

b.
$$\begin{array}{r} \overset{2}{6.\ 7\ 2} \\ \times\quad 3 \\ \hline 20.16 \end{array}$$

✓ c.
$$\begin{array}{r} \overset{1\ 1}{4\ 8.\ 6} \\ \times\quad 2 \\ \hline 9.72 \end{array}$$

d.
$$\begin{array}{r} \overset{3\ 2}{6.\ 4\ 3} \\ \times\quad 7 \\ \hline 45.01 \end{array}$$

e.
$$\begin{array}{r} \overset{3\ 3}{3\ 3.\ 4} \\ \times\quad 9 \\ \hline 300.6 \end{array}$$

f.
$$\begin{array}{r} \overset{2\ 1}{9.\ 3\ 2} \\ \times\quad 8 \\ \hline 74.56 \end{array}$$

✓ g.
$$\begin{array}{r} \overset{2\ 1}{8\ 7.\ 3} \\ \times\quad 4 \\ \hline 34.92 \end{array}$$

h.
$$\begin{array}{r} \overset{1\ 3}{5\ 2.\ 6} \\ \times\quad 5 \\ \hline 263.0 \end{array}$$

i.
$$\begin{array}{r} \overset{1}{9.\ 8\ 4} \\ \times\quad 2 \\ \hline 19.68 \end{array}$$

√ j.
$$\begin{array}{r} \overset{1}{4\ 6.\ 3} \\ \times\quad 3 \\ \hline 13.89 \end{array}$$

k. Alani is the head baker at Patty Cakes Bakery. She uses 8.75 pounds of sugar each day making cupcakes. How many pounds of sugar would she use over 7 days?

$$\begin{array}{r} \overset{5\ 3}{8.\ 75} \\ \times\quad 7 \\ \hline 61.25 \end{array}$$

61.25 pounds of sugar

l. After the cupcakes are decorated, Alani packages them to be sold. Each cupcake costs $4.25. If a customer ordered 9 cupcakes, how much would it cost?

$$\begin{array}{r} \overset{2\ 4}{\$4.\ 25} \\ \times\quad 9 \\ \hline \$38.25 \end{array}$$

_$38.25_

Multiply.

6.
$$\begin{array}{r} 4 \\ 0\,.\,6 \\ \times \quad 8 \\ \hline 4.8 \end{array}$$

7.
$$\begin{array}{r} 3 \\ 3\,.\,5 \\ \times \quad 7 \\ \hline 24.5 \end{array}$$

8.
$$\begin{array}{r} 8 \\ 3\,.\,9 \\ \times \quad 9 \\ \hline 35.1 \end{array}$$

9. $3 \times 8.7 = \underline{26.1}$

$$\begin{array}{r} 2 \\ 8\,.\,7 \\ \times \quad 3 \\ \hline 26.1 \end{array}$$

10. $4 \times 6.9 = \underline{27.6}$

$$\begin{array}{r} 3 \\ 6\,.\,9 \times 4 \\ \times \quad 4 \\ \hline 27.6 \end{array}$$

11. $5 \times 7.4 = \underline{37.0}$

$$\begin{array}{r} 2 \\ 3\,7\,.\,4 \\ \times \quad 5 \\ \hline 37.0 \end{array}$$

12. $8 \times 9.2 = \underline{73.6}$

$$\begin{array}{r} 1 \\ 9\,.\,2 \\ \times \quad 8 \\ \hline 73.6 \end{array}$$

13.
$$\begin{array}{r} 4 \\ 0\,.\,0\,7 \\ \times \quad 6 \\ \hline 0.42 \end{array}$$

14.
$$\begin{array}{r} 6 \\ 0\,.\,0\,9 \\ \times \quad 7 \\ \hline 0.63 \end{array}$$

15.
$$\begin{array}{r} 2\,4 \\ 5\,.\,3\,6 \\ \times \quad 8 \\ \hline 42.88 \end{array}$$

16. $4 \times 7.04 = \underline{28.16}$

$$\begin{array}{r} 1 \\ 7\,.\,0\,4 \\ \times \quad 4 \\ \hline 28.16 \end{array}$$

17. $5 \times 4.58 = \underline{22.90}$

$$\begin{array}{r} 2\;4 \\ 4\,.\,5\,8 \\ \times \quad 5 \\ \hline 22.90 \end{array}$$

18. $6 \times 5.64 = \underline{33.84}$

$$\begin{array}{r} 3\;2 \\ 5\,.\,6\,4 \\ \times \quad 6 \\ \hline 33.84 \end{array}$$

19. $9 \times 8.36 = \underline{75.24}$

$$\begin{array}{r} 3\;5 \\ 8\,.\,3\,6 \\ \times \quad 9 \\ \hline 75.24 \end{array}$$