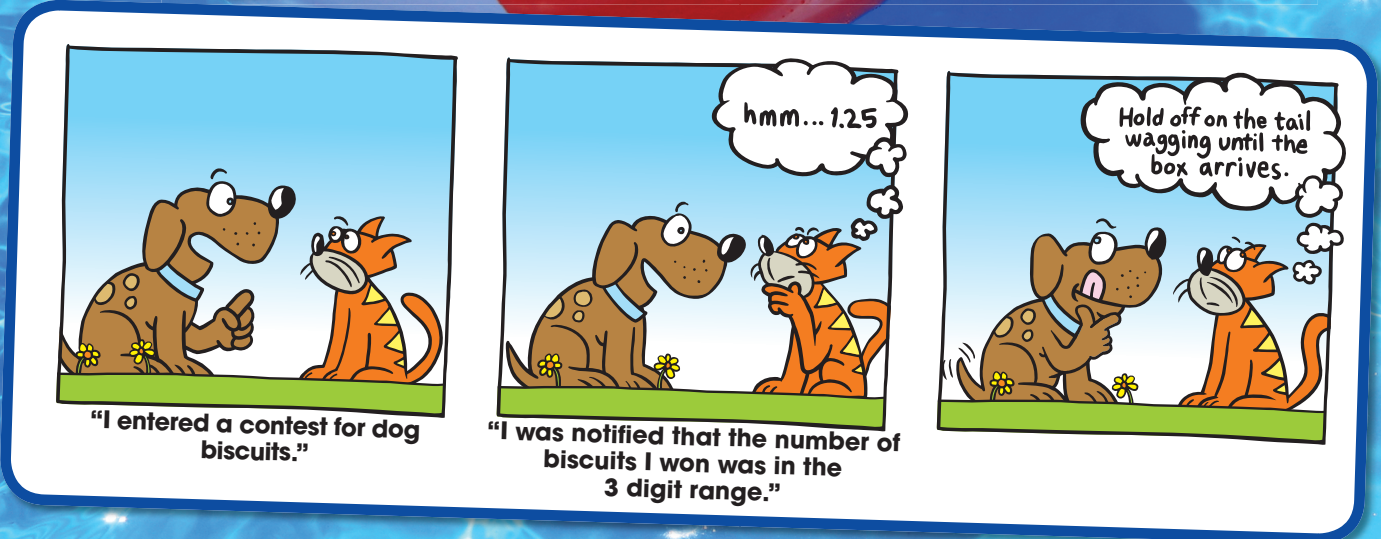
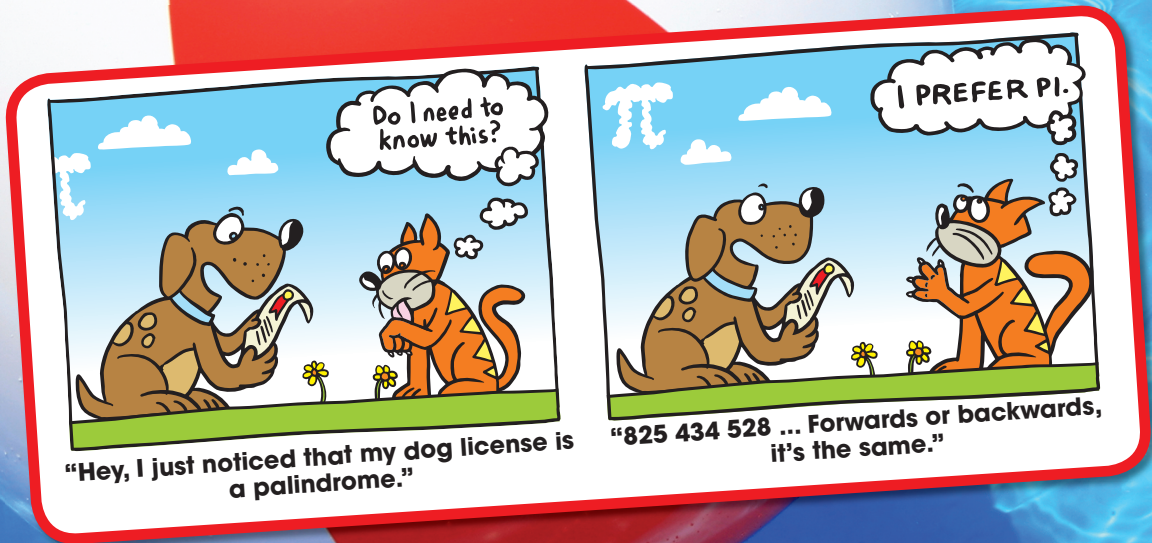


# 3 Multiplying and Dividing Decimals

- 3.1 Decimals and Estimation
- 3.2 Multiplying Decimals and Whole Numbers
- 3.3 Multiplying Decimals
- 3.4 Dividing Decimals by Whole Numbers
- 3.5 Dividing Decimals



# What You Learned Before



## Multiplying and Dividing Whole Numbers

**Example 1** Find  $356 \times 21$ .

$$\begin{array}{r} 11 \\ 356 \\ \times 21 \\ \hline 356 \\ + 7120 \\ \hline 7476 \end{array}$$

**Example 2** Find  $765 \div 3$ .

$$\begin{array}{r} 255 \\ 3 \overline{)765} \\ - 6 \phantom{0} \\ \hline 16 \\ - 15 \\ \hline 15 \\ - 15 \\ \hline 0 \end{array}$$

### Try It Yourself

Find the product or quotient.

1.  $\begin{array}{r} 425 \\ \times 9 \\ \hline \end{array}$

2.  $\begin{array}{r} 721 \\ \times 18 \\ \hline \end{array}$

3.  $\begin{array}{r} 599 \\ \times 29 \\ \hline \end{array}$

4.  $\begin{array}{r} 503 \\ \times 12 \\ \hline \end{array}$

5.  $7 \overline{)280}$

6.  $4 \overline{)428}$

7.  $6 \overline{)402}$

8.  $4 \overline{)452}$

## Multiplying and Dividing Whole Numbers

**Example 3** Find  $1.57 + 2.003$ .

$$\begin{array}{r} 1.570 \\ + 2.003 \\ \hline 3.573 \end{array}$$

Insert a zero so the numbers have the same number of decimal places.

$$\begin{array}{r} 7 \ 10 \\ 1.80 \\ - 0.59 \\ \hline 1.21 \end{array}$$

### Try It Yourself

Find the sum or difference.

9.  $1.63 + 0.004$

10.  $1.5 - 1.06$

11.  $3.62 + 0.001$

12.  $2.025 + 0.09$

13.  $5.23 - 0.009$

14.  $4.21 - 3.002$

15.  $1.701 + 2.3$

16.  $2.053 - 1.9$