15 **Round Quotients**

Here's How

Round the quotient to the nearest **tenth**.

To round to the nearest tenth, divide to the hundredths place.

▶
$$
\begin{array}{r}
2.57 = 2.6 \\
7\overline{)18.00} \\
\underline{14} \\
4\,0 \\
\underline{3\,5} \\
5\,0 \\
4\,9
\end{array}
$$

Since the digit in the hundredths place is greater than 5, the tenths digit is increased by 1.

2.5̲7 rounds to 2.6.

Round the quotient to the nearest **hundredth**.

To round to the nearest hundredth, divide to the thousandths place.

▶
$$
\begin{array}{r}
9.474 = 9.47 \\
8.3\overline{)786.400} \\
\underline{747} \\
394 \\
\underline{332} \\
620 \\
\underline{581} \\
390 \\
332
\end{array}
$$

Since the digit in the thousandths place is less than 5, the hundredths digit stays the same.

9.47̲4 rounds to 9.47.

Try These

—**TIP**—
To round a quotient, divide to one more place than the place to which you are rounding. Then follow the rules for rounding decimals.

Round each quotient to the nearest **tenth**.

1. $7\overline{)36}$

2. $15\overline{)83}$

3. $25\overline{)71}$

Round each quotient to the nearest **hundredth**.

4. $8.5\overline{)129}$

5. $6.8\overline{)481}$

6. $5.7\overline{)763}$

Answers: 1. 5.1 2. 5.5 3. 2.8 4. 15.18 5. 70.74 6. 133.86

Go Ahead

Round each quotient to the nearest **tenth**.

Remember to divide to one more place than the place to which you are rounding. Then follow the rules for rounding decimals.

▶ 1. $7\overline{)27}$

2. $9\overline{)21}$

3. $4\overline{)13}$

4. $61\overline{)115}$

5. $251\overline{)4122}$

6. $787\overline{)8419}$

7. $7.3\overline{)87}$

8. $6.4\overline{)13.8}$

9. $5.3\overline{)16.7}$

Round each quotient to the nearest **hundredth**.

10. $18\overline{)74.27}$

11. $37\overline{)42.15}$

12. $57\overline{)643.2}$

13. $7.6\overline{)82.51}$

14. $1.7\overline{)234.4}$

15. $3.3\overline{)442.7}$