



SKILL 16: Writing Zeros in the Quotient

Sometimes when you divide a decimal by a whole number, you have to write zeros in the quotient before you can start to divide.

Example

Divide: $1.475 \div 25$.

Put the decimal point in the quotient.

$$\begin{array}{r} . \\ 25 \overline{)1.475} \end{array}$$

There are no 25s in 1. Write 0 above the 1.

$$\begin{array}{r} 0. \\ 25 \overline{)1.475} \end{array}$$

There are no 25s in 14. Write 0 above the 4.

$$\begin{array}{r} 0.0 \\ 25 \overline{)1.475} \end{array}$$

Now divide.

$$\begin{array}{r} 0.059 \\ 25 \overline{)1.475} \\ \underline{125} \\ 225 \\ \underline{225} \\ 0 \end{array}$$

$$1.475 \div 25 = 0.059$$

Guided Practice

Find each quotient.

$$\begin{array}{r} 0. \square \square \\ 1.5 \overline{)0.45} \\ \underline{45} \\ 0 \end{array}$$

$$\begin{array}{r} 0. \square \square \square \\ 2.67 \overline{)0.536} \\ \underline{\square \square \square} \\ 0 \end{array}$$

$$\begin{array}{r} 0. \square \square \square \\ 3.92 \overline{)0.368} \\ \underline{\square \square \square} \\ \square \end{array}$$

$$\begin{array}{r} \square \square \square \square \\ 4.4 \overline{)0.208} \\ \underline{\square \square} \\ \square \square \\ \underline{\square \square} \\ \square \end{array}$$

$$\begin{array}{r} \square \square \square \square \\ 5.6 \overline{)12.042} \\ \underline{\square \square} \\ \square \square \square \square \\ \underline{\square \square} \\ \square \square \end{array}$$

$$\begin{array}{r} \square \square \square \square \square \\ 6.24 \overline{)9.6024} \\ \underline{\square \square} \\ \square \square \square \square \\ \underline{\square \square} \\ \square \square \end{array}$$

SKILL 16: Practice

Find each quotient.

1. $4\overline{)0.28}$

2. $7\overline{)0.56}$

3. $2\overline{)6.018}$

4. $3\overline{)33.024}$

5. $6\overline{)0.096}$

6. $5\overline{)16.025}$

7. $24\overline{)72.48}$

8. $41\overline{)84.05}$

9. $65\overline{)2.405}$

10. $38\overline{)0.1558}$

11. $22\overline{)0.132}$

12. $25\overline{)2.15}$

13. $1.275 \div 75 =$ _____

14. $3.35 \div 50 =$ _____

15. $0.0135 \div 15 =$ _____

16. $18.585 \div 9 =$ _____

Solve.

17. A 10.5-inch sausage is cut into 150 slices of the same size. Is each slice greater than or less than 0.1 inch thick? _____

18. A stack of 250 sheets of bakery tissue paper is about 2.5 inches high. About how thick is each piece of tissue paper? _____



19. Divide: $0.054 \div 9$.

A 0.6

C 0.006

B 8

D 0.06

Skill 16

20. Multiply: 0.046×10 .

F 0.46

H 0.046

G 4.6

J 460

Skill 10