



Ride the Wave of Decimal Division



Sometimes zeros are needed in the quotient. When dividing decimals by a whole number, follow these steps.

$$\begin{array}{r} 2 \\ 27 \overline{) 55.08} \\ \underline{-54} \\ 1 \end{array}$$

1. Divide the whole number.

$$\begin{array}{r} 2. \\ 27 \overline{) 55.08} \\ \underline{-54} \\ 1 \end{array}$$

2. Place the decimal point in the quotient.

$$\begin{array}{r} 2.0 \\ 27 \overline{) 55.08} \\ \underline{-54} \\ 10 \end{array} \text{ (} < 27 \text{)}$$

3. Bring down the 0. Since it is still < 27, place a zero in the quotient.

$$\begin{array}{r} 2.04 \\ 27 \overline{) 55.08} \\ \underline{-54} \\ 108 \\ \underline{-108} \\ 0 \end{array}$$

4. Bring down the 8. Divide into 108.

Divide. Then write the letter for each quotient from least to greatest on the lines below to learn where the biggest wave occurred.

B. $62 \overline{) 126.48}$

L. $13 \overline{) 3.12}$

Y. $41 \overline{) 102.50}$

A. $17 \overline{) 51.85}$

A. $13 \overline{) 62.4}$

K. $14 \overline{) 84.14}$

I. $51 \overline{) 18.36}$

S. $17 \overline{) 86.02}$

A. $39 \overline{) 81.12}$

U. $16 \overline{) 11.04}$

T. $32 \overline{) 18.56}$

L. $21 \overline{) 64.89}$

A. $44 \overline{) 46.64}$

Y. $51 \overline{) 53.856}$

A. $31 \overline{) 188.17}$

The biggest wave occurred in _____

_____ in _____. It reached 1,720 feet.