## How do you divide decimals?

Example
$6.87 \div 0.3$

Step 1-Change the decimals to whole numbers? $687 \div 3$

Step 2 - Find the quotient using long division $3 \longdiv { 6 8 7 }$

Step 3-Estimate the quotient by rounding the dividend and the divisor to the ne arest whole number or benchmarkfraction/decimal. $\left(\frac{1}{4}, \frac{1}{2}, \frac{3}{4}\right) .6 .87 \approx 7$ and $0.3 \approx 0.5$ $7 \div 0.5=3.5$

Step 4-Insert a decimal into the quotient in step 1 that is closest to the estimate in step 3.
2.29 is the closest decimal to 3.5. Therefore $6.87 \div 0.3=2.29$

