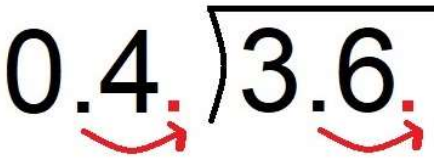
Division with decimals

Verbally, aloud or in your head, same words. This is old school.

	Process	Explanation
1	3.6 ÷ 0.4	The question
2	$0.4\overline{)3.6}$	You could visualise the question as an algorithm. The easiest method involves multiplying to remove the decimal place value from the divisor (0.4)
3		The 0.4 has 1 decimal place you multiply by 10 to make it a whole number. Now multiply 3.6 by 10. This is also called moving the decimal place.
4	$0\ 4.\overline{)3\ 6.}$	This is what you have. The zero in front of the 4 now has no meaning.
5	$4\overline{)36}$	This is how you rewrite the question.
6	$\begin{array}{r} 9 \\ 4\overline{)36} \end{array}$	Now you divide the 36 by 4 to get 9. Write the 9 down above the 6, the last digit used in the division..
7	3.6 ÷ 0.4= 9	You have the answer 9