

Dividing Decimals Notes

Rules:

- **If you need to, move the decimal on the outside number to make it a whole number**
- Move the decimal the same number of times on the inside. Add zeroes where you need to.
- Put the decimal right above in the answer.
- Divide like usual.

**Always bring down zeroes when you can't divide into the number. There are no more remainders!

**When you finally get a remainder of 0, you are finished dividing.

Ex. $9.75 \div 0.75$

$$\begin{array}{r} 13. \\ 0.75 \overline{) 9.75} \\ \underline{-75} \\ 225 \\ \underline{-225} \\ 0 \end{array}$$

Ex. $4.5 \div 2$

$$\begin{array}{r} 2.25 \\ 2 \overline{) 4.50} \\ \underline{-4} \\ 05 \\ \underline{-4} \\ 10 \\ \underline{-10} \\ 0 \end{array}$$

Ex. $18.36 \div 25.5$

$$\begin{array}{r} 0.72 \\ 25.5 \overline{) 183.60} \\ \underline{-0} \\ 183.6 \\ \underline{-178.5} \\ 510 \\ \underline{-510} \\ 0 \end{array}$$