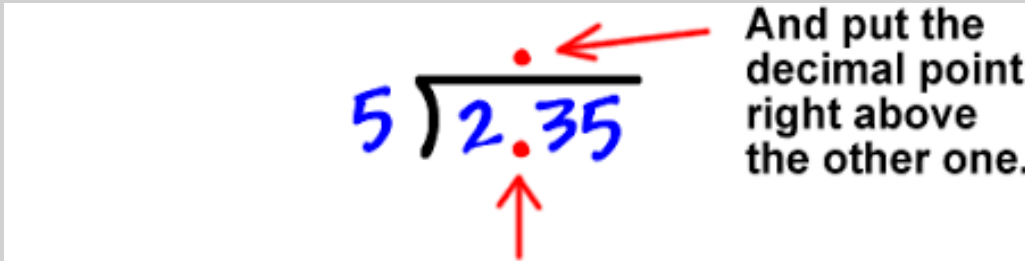


3.3 Divide Decimals by Whole Numbers

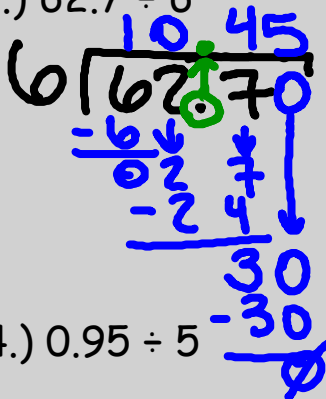
In order to divide decimals by whole numbers, you need to write the decimal point in the quotient above the decimal point in the dividend.



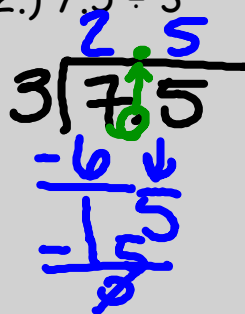
And put the decimal point right above the other one.

Example: Divide.

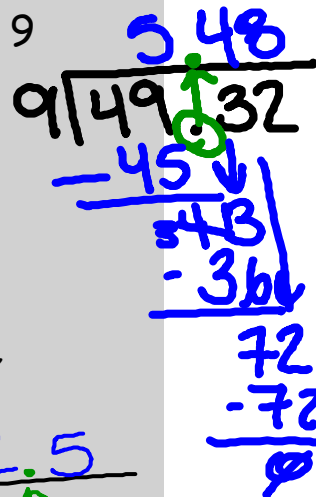
1.) $62.7 \div 6$



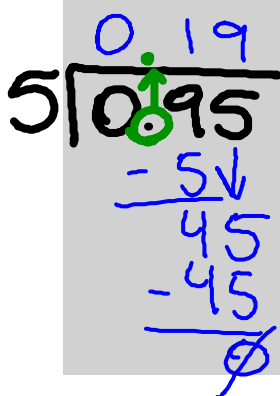
2.) $7.5 \div 3$



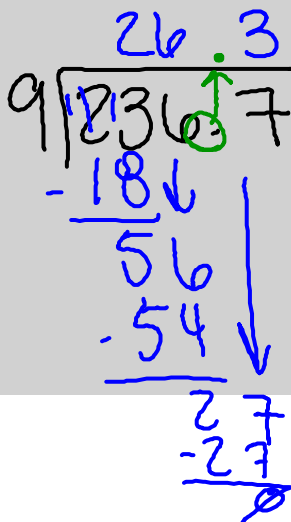
3.) $49.32 \div 9$



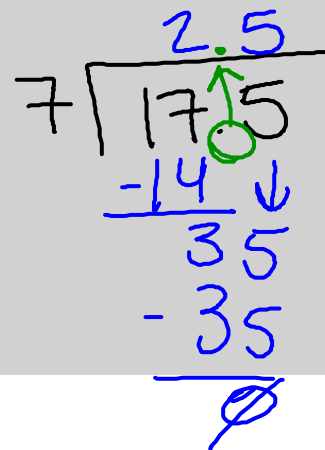
4.) $0.95 \div 5$



5.) $236.7 \div 9$



6.) $17.5 \div 7$



Example: Divide.

7.) $468.6 \div 3$

$$\begin{array}{r} 156.2 \\ 3 \overline{) 468.6} \\ \underline{-3} \\ 16 \\ \underline{-15} \\ 18 \\ \underline{-18} \\ 6 \\ \underline{-6} \\ 0 \end{array}$$

8.) $58.92 \div 4$

$$\begin{array}{r} 14.73 \\ 4 \overline{) 58.92} \\ \underline{-4} \\ 18 \\ \underline{-16} \\ 29 \\ \underline{-28} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

9.) $38.24 \div 4$

$$\begin{array}{r} 9.56 \\ 4 \overline{) 38.24} \\ \underline{-36} \\ 22 \\ \underline{-20} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

10.) $450.4 \div 8$

$$\begin{array}{r} 56.3 \\ 8 \overline{) 450.4} \\ \underline{-40} \\ 50 \\ \underline{-48} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

11.) $15.9 \div 3$

$$\begin{array}{r} 5.3 \\ 3 \overline{) 15.9} \\ \underline{-15} \\ 09 \\ \underline{-9} \\ 0 \end{array}$$

12.) $95.12 \div 2$

$$\begin{array}{r} 47.56 \\ 2 \overline{) 95.12} \\ \underline{-8} \\ 15 \\ \underline{-14} \\ 11 \\ \underline{-10} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

13.) Jodi buys 6 pencils for \$1.14. How much does 1 pencil cost?

$$\begin{array}{r} 0.19 \\ 6 \overline{) 1.14} \\ \underline{-6} \\ 54 \\ \underline{-54} \\ 0 \end{array}$$

0.19

14.) A pink egg carton contains 6 eggs that have a combined mass of 340.2 grams. A yellow egg carton contains 12 eggs that have a combined mass of 765.6 grams. The eggs in each carton have about the same mass. Which carton has the eggs with the greater mass?

$$\begin{array}{r} 56.7 \\ 6 \overline{) 340.2} \\ \underline{-30} \\ 40 \\ \underline{-36} \\ 42 \\ \underline{-42} \\ 0 \end{array}$$

$$\begin{array}{r} 63.8 \\ 12 \overline{) 765.6} \\ \underline{-72} \\ 45 \\ \underline{-36} \\ 96 \\ \underline{-96} \\ 0 \end{array}$$

yellow is greater