

Division of Decimals

Divide a decimal by a whole number.

1. $0.6 \div 2$

2. $1.65 \div 3$

3. $7 \overline{)17.92}$

4. $5 \overline{)132.5}$

5. $\frac{38.714}{13}$

6. $\frac{0.138}{6}$

Multiply the top and the bottom of the fraction by 10, 100, 1000, etc. to get a whole number in the bottom and an equivalent problem. Do not work the problem. For tenths, multiply by 10, for hundredths, multiply by 100, etc.

7. $\frac{81.9}{0.4} \cdot \left[\frac{\quad}{\quad} \right] = \frac{\quad}{\quad}$

8. $\frac{2.764}{0.61} \cdot \left[\frac{\quad}{\quad} \right] = \frac{\quad}{\quad}$

9. $\frac{597.38}{11.2} \cdot \left[\frac{\quad}{\quad} \right] = \frac{\quad}{\quad}$

Notice how, when you multiply by a power of ten, it moves the decimal point to the right!

Write the following as division problems. Move the decimal point so it is where it needs to be to divide. .
Do not divide the problem!

10. $\frac{2.692}{0.04} = \frac{\quad}{\quad}$

11. $\frac{32.961}{0.3} = \frac{\quad}{\quad}$

12. $\frac{0.572}{0.11} = \frac{\quad}{\quad}$

Divide the following:

13. $\frac{1.645}{0.7}$

14. $73.44 \div 0.12$

15. $2.6598 \div 0.02$

16. $\frac{0.247}{0.19}$

17. $29.54 \div 2.4$

18. $\frac{165.8}{0.3}$

19. $\frac{5.624}{0.01}$