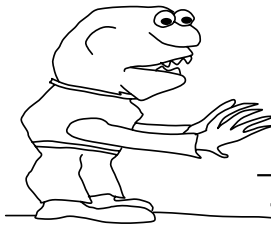


FRACTIONS TO DECIMALS - A

NAME: _____

HELPFUL EXAMPLE



USE WHAT YOU KNOW ABOUT DECIMALS TO SOLVE THE DIVISION PROBLEM.

ANSWER

$$\frac{3}{4} \Rightarrow 4 \overline{)3} \Rightarrow 4 \overline{)3.0} \Rightarrow 4 \overline{)3.00}$$

$$\begin{array}{r} 0 \\ 4 \overline{)3} \\ - 0 \\ \hline 3 \end{array} \Rightarrow \begin{array}{r} 0.7 \\ 4 \overline{)3.0} \\ - 0 \downarrow \\ \hline 30 \\ - 28 \\ \hline 02 \end{array} \Rightarrow \begin{array}{r} 0.75 \\ 4 \overline{)3.00} \\ - 0 \downarrow \\ \hline 30 \\ - 28 \\ \hline 20 \\ - 20 \\ \hline 00 \end{array}$$

IN CASE YOU WERE WONDERING:
TO CHANGE A FRACTION TO LONG DIVISION, THINK OF A FRACTION HATING MONSTER WHO LOVES PUSHING FRACTIONS OVER. DO YOU SEE WHAT HAPPENS AFTER IT FALLS?

$\frac{3}{4} = .75$

REWRITE AND SOLVE.

1. $\frac{2}{5} =$ _____ 2. $\frac{1}{8} =$ _____ 3. $\frac{3}{10} =$ _____ 4. $\frac{1}{4} =$ _____

5. $\frac{7}{10} =$ _____ 6. $\frac{4}{5} =$ _____ 7. $\frac{3}{8} =$ _____ 8. $\frac{1}{2} =$ _____

DO YOU REMEMBER:
REPEATERS,
REPEATERS,
REPEATERS?

9. $\frac{1}{3} =$ _____ 10. $\frac{2}{9} =$ _____ 11. $\frac{3}{5} =$ _____ 12. $\frac{6}{7} =$ _____

13. $\frac{6}{6} =$ _____ 14. $\frac{2}{11} =$ _____ 15. $\frac{9}{10} =$ _____ 16. $\frac{2}{3} =$ _____

17. $\frac{2}{7} =$ _____ 18. $\frac{5}{6} =$ _____ 19. $\frac{1}{12} =$ _____ 20. $\frac{3}{20} =$ _____

FRACTIONS TO DECIMALS - B

NAME: _____

SOMETIMES YOU CAN SAVE TIME BY SIMPLIFYING THE FRACTION BEFORE CHANGING IT TO A DIVISION PROBLEM.

HELPFUL EXAMPLE

$$\frac{10}{20} \div \frac{10}{10} = \frac{1}{2}$$

$$2 \overline{)1} \Rightarrow 2 \overline{)1} \Rightarrow 2 \overline{)1.0}$$

$$\begin{array}{r} 0.5 \\ - 0 \\ \hline 1 \\ - 1 \\ \hline 0 \end{array}$$

DON'T FORGET, WHATEVER YOU DO TO THE TOP YOU HAVE TO DO TO THE BOTTOM, OR VICE VERSA.

$$\frac{1}{2} = .5$$

REWRITE AND SOLVE.

1. $\frac{9}{12} =$ _____

2. $\frac{7}{8} =$ _____

3. $\frac{25}{30} =$ _____

4. $\frac{6}{11} =$ _____

5. $\frac{10}{24} =$ _____

6. $\frac{15}{15} =$ _____

7. $\frac{16}{18} =$ _____

8. $\frac{6}{36} =$ _____

9. $\frac{7}{13} =$ _____

10. $\frac{24}{48} =$ _____

11. $\frac{20}{44} =$ _____

12. $\frac{9}{21} =$ _____

13. $\frac{11}{55} =$ _____

14. $\frac{5}{8} =$ _____

15. $\frac{10}{17} =$ _____

16. $\frac{12}{45} =$ _____

17. $\frac{6}{7} =$ _____

18. $\frac{10}{100} =$ _____

19. $\frac{11}{12} =$ _____

20. $\frac{9}{27} =$ _____

21. $\frac{3}{14} =$ _____

22. $\frac{36}{234} =$ _____

23. $\frac{7}{15} =$ _____

24. $\frac{22}{242} =$ _____