Fractions

(Back to Basics Maths)

Addition, subtraction method:

$\frac{3}{10} + \frac{4}{5} =$ ✗ cannot do

Solution? Make denominator the same

$\frac{3}{10} + \frac{4}{5} \times 2 = \frac{3}{10} + \frac{8}{10} = \frac{3+8}{10} = \frac{11}{10} = 1\frac{1}{10}$ Answer

SAME

$\frac{7}{15} - \frac{2}{5} =$ ✗ cannot do

$\frac{7}{15} - \frac{2}{5} \times 3 = \frac{7}{15} - \frac{6}{15} = \frac{1}{15}$ Answer

SAME

Multiplication method:

$\frac{8}{3} \times \frac{9}{11} = \frac{8 \times 9}{3 \times 11} = \frac{72}{33} \xrightarrow[\div 3]{\text{simplify}} \frac{24}{11} = 2\frac{2}{11}$ Answer

EASY METHOD!

© Graduate Medicine Success 2017

Fractions

(Back to Basics Maths)

Division method:

$\frac{3}{12} \div \frac{2}{3} =$ ✗ easier way to do this

FLIP one fraction and multiply instead.

$\frac{3}{12} \times \frac{3}{2}$ (Flipped) $= \frac{3 \times 3}{12 \times 2} = \frac{9}{24}$ (Simplify ÷3) $= \frac{3}{8}$ Answer!

Practice makes perfect! Try the problems below:

GCSE Maths practice booklet – http://www.mathedup.co.uk/wp-content/uploads/2015/03/27_fractions_adding_subtracting_multiplying-and-dividing2.pdf

Solutions to the above - http://www.mathedup.co.uk/wp-content/uploads/2014/05/27.pdf

© Graduate Medicine Success 2017