

FRACTIONS

Multiplying and Dividing

These are easy

EX1:

$$\frac{7}{4} \cdot \frac{3}{5} = \boxed{\frac{21}{20}}$$

When multiplying fractions, multiply ALL the TOPS (Numerators),
and multiply ALL the BOTTOMS (Denominators),
Then REDUCE

EX2:

$$3\frac{5}{8} \cdot 2\frac{6}{7}$$

Make all fractions IMPROPER,

Multiply TOPS, and multiply BOTTOMS,

$$\frac{29}{8} \cdot \frac{20}{7} = \frac{580}{56} \frac{145}{14}$$

10.357

Sometimes you can reduce before multiplying, so you get a
smaller and easier-to-deal-with number

This would reduce to 10-5/14

What about Dividing?

EX3:

$$5\frac{3}{4} \div 2\frac{1}{5}$$

Make IMPROPER

“KISS and FLIP”

(flip one fraction upside down, and change to multiply)

$$\frac{23}{4} \div \frac{11}{5}$$

$$\frac{23}{4} \cdot \frac{5}{11} = \boxed{\frac{115}{44}}$$

MULTIPLY

REDUCE

$$2\frac{27}{44}$$

(How many 44's can I get out of 115? 2

How many are left? 115-88 = 27)