

Fractions, Division & Division with Mixed Numbers

How do I divide fractions?

Find the reciprocal of the second number (divisor).

Change the division sign to a multiplication sign.

Multiply the numerator times the numerator and the denominator times the denominator.

Simplify if possible.

How do I divide mixed numbers?

Change the mixed number(s) to improper fraction(s).

Find the reciprocal of your second number (divisor).

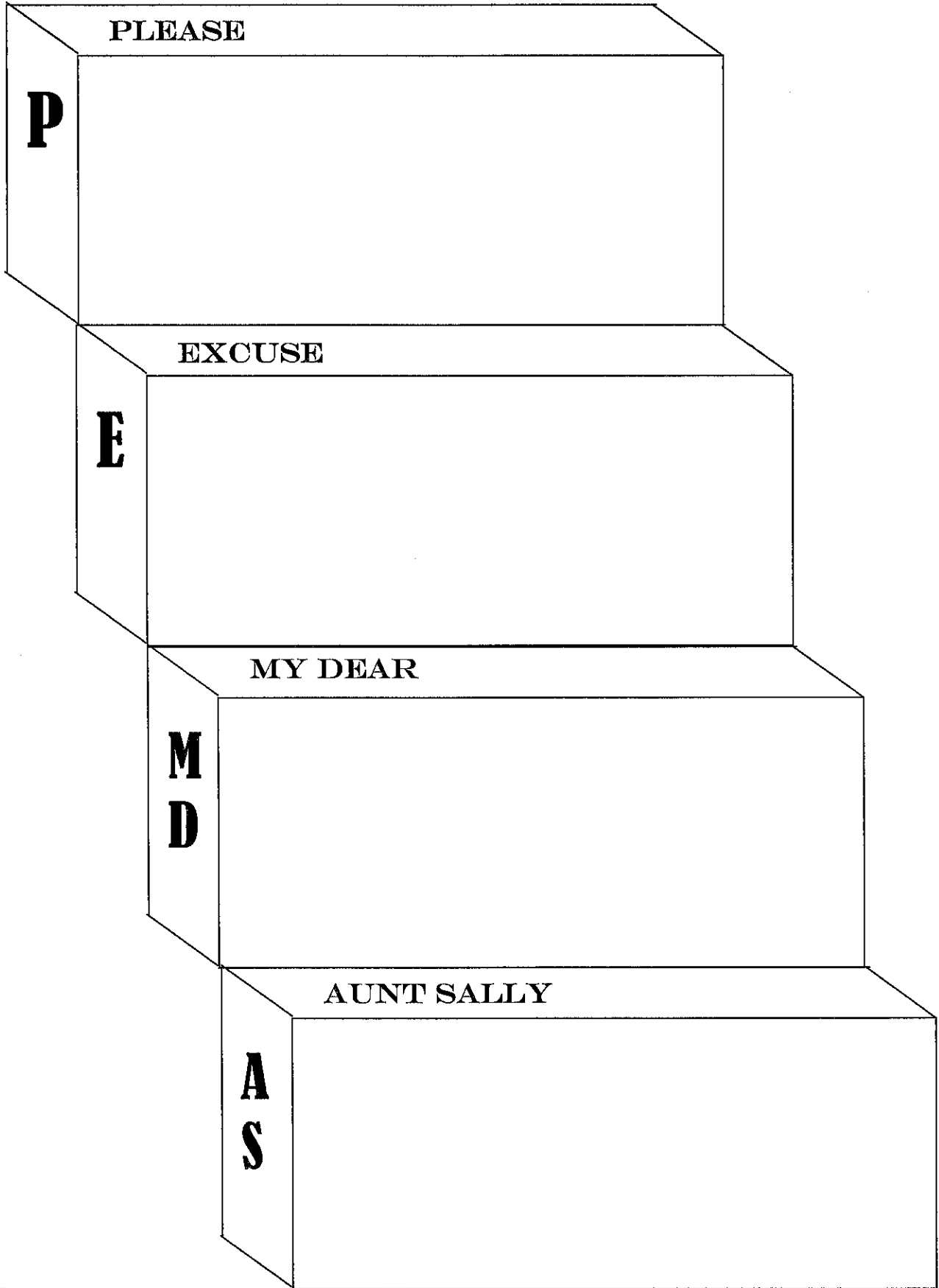
Change the division sign to a multiplication sign.

Multiply the numerator times the numerator and the denominator times the denominator.

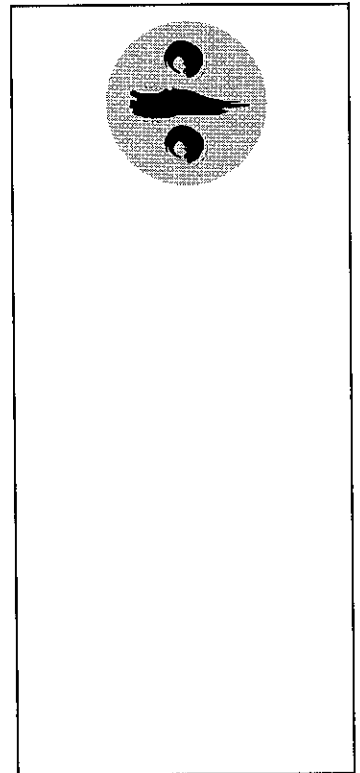
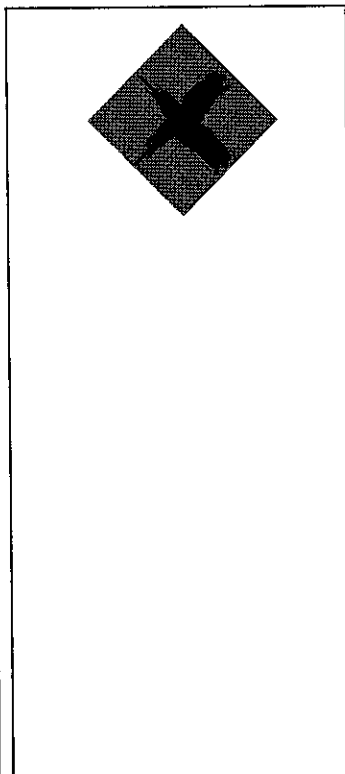
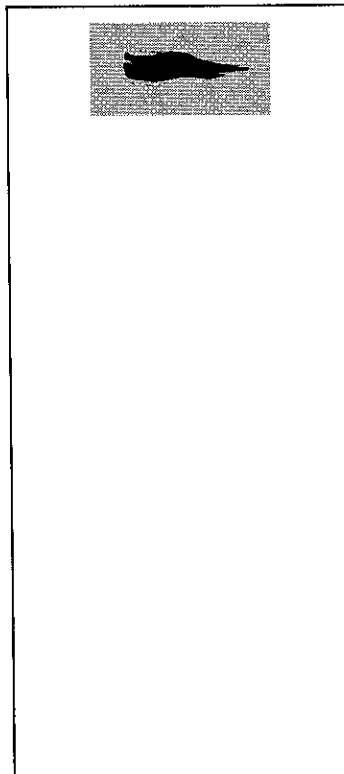
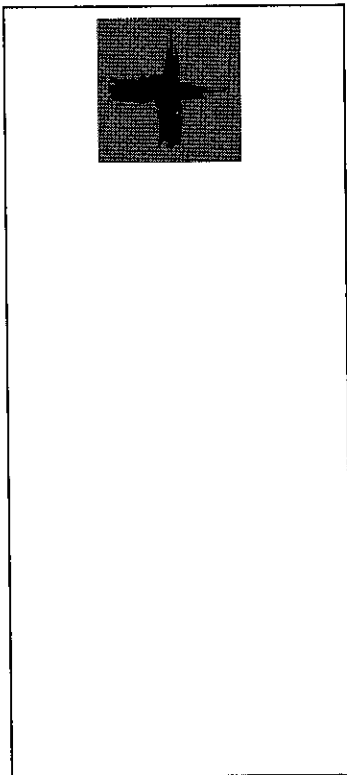
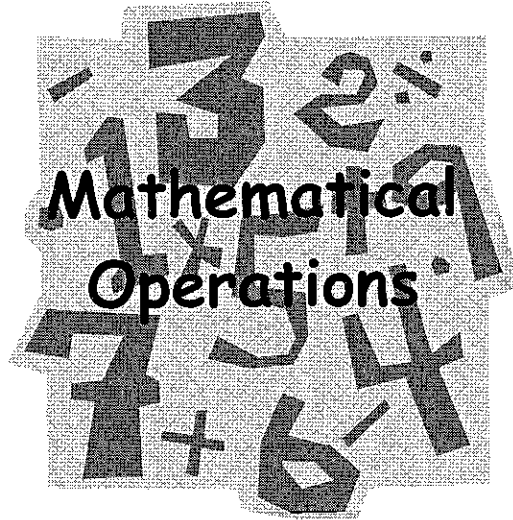
Simplify if possible.



What Is the Order of Operations?



What Words Tell Us to Add Subtract Multiply and Divide?



Multiplying Mixed Numbers

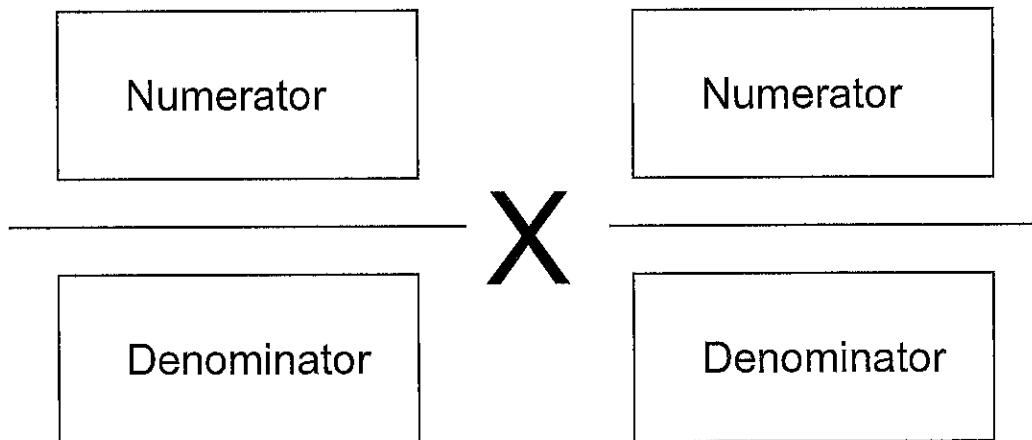
Change the mixed number(s)/whole number to improper fractions:

• Multiply denominator by the whole number, add the numerator.

Put the answer over the denominator.

(Whole numbers, put the whole number over 1.)

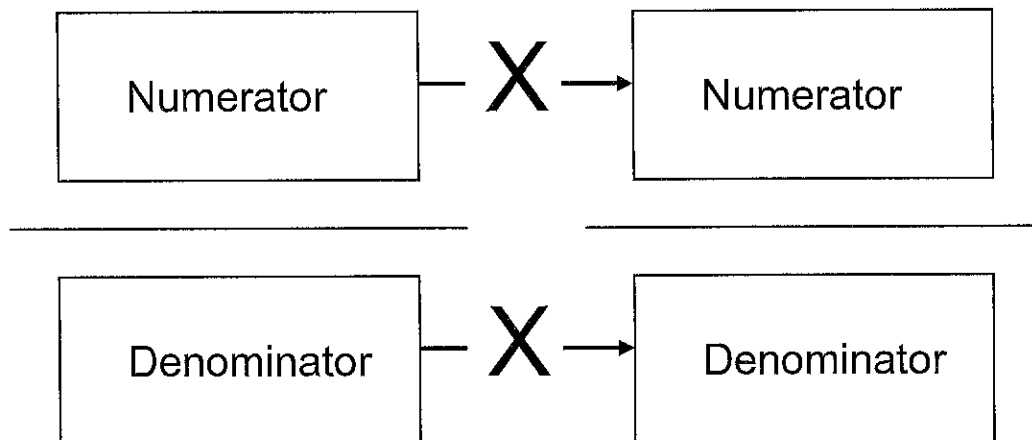
You now have 2 fractions to multiply.



Multiply the numerator times the numerator.

Denominator times the denominator.

Multiply STRAIGHT ACROSS!!!



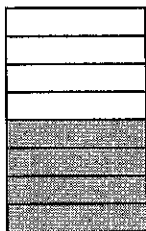
Simplify, if possible.

Name: _____

Ordering Fractions

Which group of fractions shows the fractions in order from **greatest to least**?

A.



$$\frac{5}{8}$$



$$\frac{2}{3}$$



$$\frac{3}{4}$$

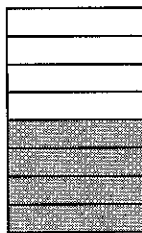


$$\frac{5}{6}$$

B.



$$\frac{2}{3}$$



$$\frac{5}{8}$$



$$\frac{5}{6}$$

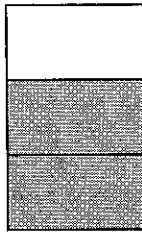


$$\frac{3}{4}$$

C.



$$\frac{7}{8}$$



$$\frac{2}{3}$$



$$\frac{1}{4}$$



$$\frac{5}{6}$$

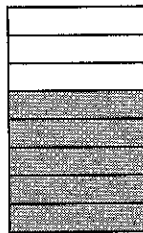
D.



$$\frac{5}{6}$$



$$\frac{3}{4}$$



$$\frac{5}{8}$$



$$\frac{2}{3}$$