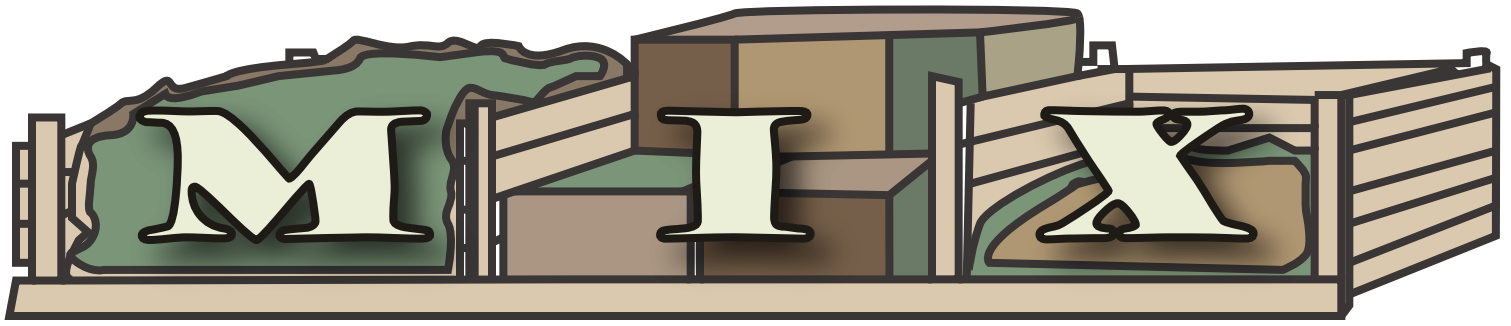




MULTIPLICATION

BROWN



Ashes, wood	25:1
Dried leaves	60:1
Pine needles	90:1
Newspaper	125:1
Sawdust	625:1

GREEN



Food Scraps	15:1
Grass clippings	18:1
Coffee grounds	20:1
Horse manure	25:1
Alfalfa:	12:1

Directions: Using your knowledge of ratios and multiplying fractions, complete the statements on the included worksheet about compost heap ratios.

1. If our class wants to use newspaper in the compost heap, we need to put in _____ times as much horse manure.
2. The class has two compost ingredients: Food scraps (green) and dried leaves (brown). For the ingredients to be in balance with each other, the class needs to use _____ times as much food scraps.
3. _____ (brown) and _____ (green) are the only two ingredients that don't need an extra amount for the heap to be in balance.
4. *True or False:* If the class only has a small amount of alfalfa, the students should use newspaper to put the heap in balance.
5. *True or false:* The class has collected pine needles for their compost heap. Next, they want to add grass clippings. One student says they need to use 5 times as much grass clippings as pine needles for it to be in balance.