

Flo's Favorite Purple

Flo makes different colors of paint by mixing the primary colors—red, blue and yellow—together in varying amounts. To make her favorite shade of purple, she mixes 3 ounces of blue with 5 ounces of red.

- a) In order to make her favorite purple, how much red should Flo mix with 6 ounces of blue?
- b) In order to make her favorite purple, how much red should Flo mix with 7 ounces of blue?
- c) In order to make her favorite purple, how much blue should Flo mix with 7 ounces of red?
- d) In order to make 12 ounces of her favorite purple, how much red and how much blue should Flo use?
- e) In order to make 19 ounces of her favorite purple, how much red and how much blue should Flo use?



Menu Questions

(These are quite similar to the Main Lesson Problem (MLP). The * uses easier numbers. The **/** is comparable to the MLP but uses sevenths, which can be a bit more challenging, and d) has more to do.)

**To make her favorite shade of green, Flo mixes two ounces of blue with three ounces of yellow.*

- a) *In order to make her favorite green, how much blue should Flo mix with 9 ounces of yellow?*
- b) *In order to make her favorite green, how much yellow should Flo mix with 9 ounces of blue?*
- c) *How much blue and how much yellow should Flo use to make 20 ounces of her favorite green?*
- d) *How much blue and how much yellow should Flo use to make 28 ounces of her favorite green?*

***/**To make her favorite shade of green, Flo mixes four ounces of blue with three ounces of yellow.*

- a) *In order to make her favorite green, how much yellow should Flo mix with 9 ounces of blue?*
- b) *In order to make her favorite green, how much blue should Flo mix with 7 ounces of yellow?*
- c) *How much blue and how much yellow should Flo use to make one pound of her favorite green?*
- d) ****Flo has equal amounts of blue and yellow. If she gets two more ounces of blue, she will have just the right amounts of blue and yellow to make her favorite green. How much blue and yellow does she have?*

