

Mixture Problems Practice

Date _____ Period _____

- 1) How many oz of copper which costs \$2/oz must be added to 2 oz of tin which costs \$9/oz to make bronze which costs \$4/oz?
- 2) 6 ft³ of soil containing 20% sand was mixed into 9 ft³ of soil containing 30% sand. What is the sand content of the mixture?
- 3) 2 fl. oz. of a 60% sugar solution was mixed with 8 fl. oz. of a 35% sugar solution. Find the concentration of the new mixture.
- 4) Krystal wants to make a 53% alcohol solution. She has already poured 4 fl. oz. of a 39% alcohol solution into a beaker. How many fl. oz. of a 81% alcohol solution must she add to this to create the desired mixture?

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1) How many oz of copper which costs \$2/oz must be added to 2 oz of tin which costs \$9/oz to make bronze which costs \$4/oz?

5 ozs

2) 6 ft³ of soil containing 20% sand was mixed into 9 ft³ of soil containing 30% sand. What is the sand content of the mixture?

26%

3) 2 fl. oz. of a 60% sugar solution was mixed with 8 fl. oz. of a 35% sugar solution. Find the concentration of the new mixture.

40%

4) Krystal wants to make a 53% alcohol solution. She has already poured 4 fl. oz. of a 39% alcohol solution into a beaker. How many fl. oz. of a 81% alcohol solution must she add to this to create the desired mixture?

2 fl. oz.