

Name: _____

Proportions

How Much Is the Treasure Worth?

A box of buried treasure is found in Galveston Bay. The ratio of emeralds to rubies in the box of buried treasure is 3:4. There are a total of 672 gems in the box. If each emerald has a value of \$2,450 and each ruby has a value of \$1,500, determine the total value of the treasure. Justify your answer.

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Let the white rod represent this relationship. Fill in the values in the picture below.

_____ emeralds



_____ rubies

How many total gems does this represent?

How much is the white rod worth?

If there are a total of 672 gems in the box, how many white rods would be needed to represent the treasure?

Determine the total value of the treasure if there are 672 gems.