



Name _____

Date _____

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Equivalent Fractions
Word Problems
(4.NF.5)

Directions: Solve the following word problem using numbers, pictures (model drawings), and words. 😊

Grandma collects expensive rings. She says $\frac{1}{10}$ of her collection are silver rings and $\frac{7}{10}$ are gold rings. Write an equivalent fraction using the denominator of 100 for the number of silver and gold rings she has. What fraction of her rings are not silver or gold?



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Answer:

Silver

$$1/10 = 10/100$$

You need to multiply both numerator and denominator by 10.

Gold

$$7/10 = 70/100$$

You need to multiply both numerator and denominator by 10.

Now you need to add $1/10$ and $7/10$. The sum is $8/10$. Now subtract $8/10$ from $10/10$.

The difference is $2/20$. The equivalent fraction is $20/100$. Grandma's other rings make up $20/100$ or $2/10$ of her rings.

Grandma has $10/100$ silver rings, $70/100$ gold rings and $20/100$ other rings.