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.

You have 100 assorted marbles in a bag. There are 10 blue, 20 red, 40 glitter, and 30 purple marbles. Write a fraction to represent each color using 100 as a denominator. Now write an equivalent fraction for each color using 10 as the denominator. Draw a visual model to show your work.

Blue

10								-		

Red





Date_____

Glitter

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Purple

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Answer:

Blue

Shade in 10 boxes in the 100s chart and shade in 1 strip in the tens chart.

10/100= 1/10

Red

20/100 = 2/10

Shade in 20 boxes in the 100s chart and shade in 2 strips in the tens chart.

Glitter

40/100 = 4/10

Shade in 40 boxes in the 100s chart and shade in 4 strips in the tens chart.

Purple

30/100=3/10

Shade in 30 boxes in the 100s chart and shade in 3 strips in the tens chart.

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