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## Equivalent Fractions Word Problems <br> (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


Red

$\qquad$

Date $\qquad$
Glitter


## Purple



Name $\qquad$ Date $\qquad$
Answer:
Blue
Shade in 10 boxes in the 100 s 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.

