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. ☺

A box contains 50 ceramic coasters. If 10 were broken, what fraction of the coasters were broken? What fraction of the coasters were unbroken? Write an equivalent fraction using the denominator of 100 for each answer.

Answer:

Broken: 10/50

I know 100 is double 50. So to create an equivalent fraction, I will need to multiply both the numerator and denominator by 2. Remember, whatever you do to the numerator, you do the same to the denominator to create an equivalent fraction. The equivalent fraction is 20/100.

$\underline{10}$ x 2 = $\underline{20}$

50 x2   100

Unbroken: 40/50

Again, multiply both numerator and denominator by 2. 80/100 is the equivalent fraction.

$\underline{40}$ x 2 = $\underline{80}$

50 x2   100