Name _____   Date _____

Percentage of Fractions Word Problems Guided Lesson Explanation

1. 19 of the animals were cats.

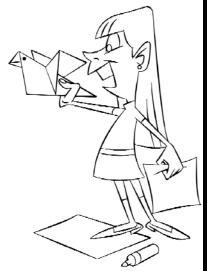Step 1) Determine the total number of animals that
Barbara created.

14 birds + 26 fish + 19 cats + 11 whales = 70 animals

Step 2) Find the fraction, decimal, and then percentage
that were cats.

Fraction = $\frac{19}{70}$ Decimal = 0.27 (Divide 19 by 70)

Percentage = Decimal x 100 or 0.27 x 100   = 27%

27% were cats.

2. Step 1) Ask yourself, "which animals live under water?"

Fish and whales, of course.   26 fish + 11 whales = 37 animals

Step 2) Find the fraction, decimal, and then percentage that were fish/whales.

Fraction = $\frac{37}{70}$ Decimal = 0.53 (Divide 37 by 70)

Percentage = Decimal x 100 or 0.53 x 100   = 53%

53% of the animals live under water.

3) Step 1) Ask yourself, "which animals can fly?"   It's only birds. (14 birds)

Step 2) Find the fraction, decimal, and then percentage that were fish/whales.

Fraction = $\frac{14}{70}$ Decimal = 0.2 (Divide 14 by 70)

Percentage = Decimal x 100 or 0.2 x 100   = 20%

20% of the animals of the animals can fly.