Name _____   Date _____

1. Chase volunteers at an animal shelter after school, feeding and playing with the cats.

    a. If he can make 5 servings of cat food from a third of a kilogram of food, how much does one serving weigh?

    b. If Chase wants to give this same serving size to each of 20 cats, how many kilograms of food will he need?

2. Anouk has 4.75 pounds of meat. She uses a quarter pound of meat to make one hamburger.

    a. How many hamburgers can Anouk make with the meat she has?

    b. Sometimes Anouk makes sliders. Each slider is half as much meat as is used for a regular hamburger. How many sliders could Anouk make with the 4.75 pounds?

Lesson 33:   Create story contexts for numerical expressions and tape
diagrams, and solve word problems.
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3. Ms. Geronimo has a $10 gift certificate to her local bakery.

   a. If she buys a slice of pie for $2.20 and uses the rest of the gift certificate to buy chocolate macaroons that cost $0.60 each, how many macaroons can Ms. Geronimo buy?

   b. If she changes her mind and instead buys a loaf of bread for $4.60 and uses the rest to buy cookies that cost $1\frac{1}{2}$ times as much as the macaroons, how many cookies can she buy?

4. Create a story context for the following expressions.

   a. $(5\frac{1}{4} - 2\frac{1}{8}) \div 4$ b. $4 \times (\frac{4.8}{0.8})$

5. Create a story context for the following tape diagram.

COMMON CORE

Lesson 33:   Create story contexts for numerical expressions and tape diagrams, and solve word problems.

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