

Activity #1

Domain: Numbers and Operations-Fractions (NF)

3.NF.1. Understand a fraction $1/b$ as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction a/b as the quantity formed by a parts of size $1/b$.

Directions: Draw a picture to illustrate each fraction.

Illustrate the fraction $1/2$ below

Illustrate the fraction $1/3$ below

Illustrate the fraction $3/4$ below

Activity #2

Domain: Number and Operations in Base Ten (NBT)

3.NBT.1. Use place value understanding to round whole numbers to the nearest 10 or 100.

Directions: Write the numbers below in expanded form.

Example:

A. 15,492

$10,000 + 5,000 + 400 + 90 + 2$

B. 156

C. 12,943

D. 57,846

E. 23,456

Activity #3

Domain: Measurement and Data (MD)

3.MD.3. Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs. For example, draw a bar graph in which each square in the bar graph might represent 5 pets.

Directions: Use the chart below to create a bar graph then answer the questions.

Name of Girl Scout	Kim	Hannah	Jason	Kerri	Mike
Number of Boxes of cookies Sold	23	36	50	23	41

1. Who sold the least amount of boxes?
2. Who sold the most cookies?
3. What is the range of boxes of cookies sold? Find the range by subtracting the least number of cookies sold from the most number of cookies sold.
4. Is there a number that occurs more than once? The number you see the most is called the mode.
5. List the number of cookies sold from least to greatest. Then, circle the number in the middle. The number you circled is called the median.

Activity #4

Domain: Operations and Algebraic Thinking (OA)

3.OA.3. Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.

Directions: Illustrate fair sharing through pictures.

A. Three chocolate bars are shared among 2 friends. Each person gets $1\frac{1}{2}$ pieces of chocolate.

B. Three chocolate bars are shared among 4 friends. Each person gets $\frac{3}{4}$ pieces of chocolate.

C. 20 chocolate bars were shared among 6 friends. How much did each person get?

D. 72 chocolate bars were shared among 9 friends. How much did each person get?

Activity #5

Domain: Measurement and Data (MD)

3.MD.8. Solve real world and mathematical problems involving perimeters of polygons, including finding the perimeter given the side lengths, finding an unknown side length, and exhibiting rectangles with the same perimeter and different areas or with the same area and different perimeters.

Directions: Draw each rectangle based on the information provided. Fill in the missing data in the chart. Remember you find the perimeter of shape by adding up the measurements of the all the sides ($2W + 2L=P$). Show your work below.

#	Draw picture here	Length of one side	Length of other side	Width of one side	Width of other side	Perimeter
1		8	8	4	4	
2		6		5	5	
3		10	10			24
4		9		3		