

## Fraction/Percent/Ratio Worksheet

### Definitions

**Decimal** A fraction in which the whole is divided into tenths, hundredths, thousandths, and so on. The decimal  $0.7=7/10$

**Percent** One hundredth or  $1/100$ , based on a dollar. The symbol % means percent. An entire amount is 100%. Half of an entire amount is 50%.

**Ratio** A comparison of two numbers. For example, "4 to 3" A ratio can be written as a fraction with a colon. 4 to 3 is written as  $4/3$  or 4:3.

### Real Life Problem

How many red \_\_\_\_\_

How many orange \_\_\_\_\_

How many yellow \_\_\_\_\_

How many green \_\_\_\_\_

How many blue \_\_\_\_\_

How many brown \_\_\_\_\_

Total \_\_\_\_\_

**To get the percent** divide total number by number of the part, then move the decimal two places to the right and add the % sign. If total is 20 and part is 5. Divide 20 into 5  $=0.25=25\%$

What percent is red? \_\_\_\_\_

Ratio of red to total \_\_\_\_\_

What percent is orange? \_\_\_\_\_

Ratio of orange to total \_\_\_\_\_

What percent is yellow? \_\_\_\_\_

Ratio of yellow to total \_\_\_\_\_

What percent is green? \_\_\_\_\_

Ratio of green to total \_\_\_\_\_

What percent is blue? \_\_\_\_\_

Ratio of blue to total \_\_\_\_\_

What percent is brown? \_\_\_\_\_

Ratio of brown to total \_\_\_\_\_

## MATH Fraction/ Percent/ Ratio. (Small classes) Lesson Plan

\*Preview definitions: decimal, percent, and ratio

Pass out work sheet and visual aid .Each student will need a small bag of M&M or Skittle.

\*Activity (Real Life Problem)

Students count and record numbers of each color (numbers will be different.) M&M have six colors and Skittles have five colors; most packs have some of each color.

Work sheet

How many red \_\_\_\_\_

How many orange \_\_\_\_\_

How many yellow \_\_\_\_\_

How many green \_\_\_\_\_

How many blue \_\_\_\_\_

How many brown \_\_\_\_\_

Total \_\_\_\_\_

**To get the percent** divide total number by number of the part, then move the decimal two places to the right and add the % sign. If total is 20 and part is 5. Divide 20 into 5 =0.25=25%

What percent is red? \_\_\_\_\_

Ratio of red to total \_\_\_\_\_

What percent is orange? \_\_\_\_\_

Ratio of orange to total \_\_\_\_\_

What percent is yellow? \_\_\_\_\_

Ratio of yellow to total \_\_\_\_\_

What percent is green? \_\_\_\_\_

Ratio of green to total \_\_\_\_\_

What percent is blue? \_\_\_\_\_

Ratio of blue to total \_\_\_\_\_

What percent is brown? \_\_\_\_\_

Ratio of brown to total \_\_\_\_\_

\*Further thought:

If the student was to draw one candy out of their bag what is the probability of getting a certain color.

Is there any place a student might need to know how to use this information? (drawing, carnival, etc.)

\*Review

Definitions, real life problems-- ask for questions and be prepared for students to ask for more visual aids.