Simplify each math expression and answer each question. SHOW YOUR WORK. ☺

If you work on another sheet of paper, then label the work with the correct problem number and staple it to this worksheet. Do not work on white boards or tabletops today. ALL WORK needs to be shown on PAPER and turned in. ☺

1. Write each given fraction in the correct column in the chart below.

 $\frac{2}{6}$ , $\frac{2}{3}$ , $\frac{2}{4}$ , $\frac{3}{4}$ , $\frac{3}{8}$ , $\frac{5}{8}$ , $\frac{1}{3}$ , $\frac{3}{6}$ , $\frac{5}{10}$ , $\frac{1}{5}$ , $\frac{4}{5}$ , $\frac{4}{8}$, $\frac{4}{9}$,$ \frac{4}{7}$

|  |  |  |
| --- | --- | --- |
| Less than $\frac{1}{2}$ | Equal to $\frac{1}{2}$ | Greater than $\frac{1}{2}$ |
|  |  |  |

 Fraction Family

$$\frac{1}{8}$$

1. Complete the following table.

|  |  |  |
| --- | --- | --- |
| FRACTION | PERCENT | DECIMAL |
| 1 WHOLE |  |  |
| $$\frac{1}{2}$$ |  |  |
| $$\frac{1}{4}$$ |  |  |
| $$\frac{1}{8}$$ |  |  |
| $$\frac{1}{5}$$ |  |  |
| $$\frac{1}{10}$$ |  |  |
| $$\frac{1}{3}$$ |  |  |
| $$\frac{3}{4}$$ |  |  |
| $$\frac{5}{8}$$ |  |  |
| $$\frac{4}{5}$$ |  |  |
| $$\frac{3}{10}$$ |  |  |
|  | 45% |  |
|  |  | 0.7 |
|  | 8% |  |
|  |  | 0.19 |

3. On a school trip to San Antonio Drew, Ryan, Lauren, and Melissa shared a

 variety-mix of snack size candies. Drew ate 5 packages of M&M’s, 2 snack

 bags of Skittles, and 7 packs of Sweet-tarts. Ryan ate 3 miniature

 Tootsie rolls, one package of M&M’s, and one package of Skittles. Lauren

 munched on 1 Tootsie roll, 2 bags of M&M’s, 4 packages of Skittles, and

 a pack of Sweet-tarts. Melissa ate two Tootsie rolls, 2 bags of M&M’s,

 and 1 package of Skittles.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | M&M | Skittles | Sweet Tarts | TootsieRolls | Total |
| Drew |  |  |  |  |  |
| Ryan |  |  |  |  |  |
| Lauren |  |  |  |  |  |
| Melissa |  |  |  |  |  |
| Total |  |  |  |  |  |

**\_\_\_\_a. What fraction of the M&M’s did Drew eat?**

**\_\_\_\_b. What percent of the M&M’s did Drew eat?**

**\_\_\_\_c. Express the fraction of M&M’s that Drew ate as a decimal.**

**\_\_\_\_d. What fraction of the chocolate candy was eaten by Ryan?**

**\_\_\_\_e. What percentage of the chocolate candy was eaten by Ryan?**

**\_\_\_\_f. Express the portion of chocolate candy eaten by Ryan as a decimal.**

**\_\_\_\_g. What fraction of the Sweet-tarts was eaten by Lauren?**

**\_\_\_\_h. What percentage of the Sweet-tarts was eaten by Lauren?**

**\_\_\_\_i. Express the portion of Sweet-tarts eaten by Lauren as a decimal.**

**\_\_\_\_j. Drew ate the rest of the Sweet-tarts. What percent did he eat?**

**\_\_\_\_k. What fraction of the Skittles did the boys eat together?**

**\_\_\_\_l. What percent of the Skittles did the boys eat together?**

**\_\_\_\_m. Express the portion of Skittles eaten by the boys together as a decimal.**

**\_\_\_\_n. What percentage of the Skittles did the girls eat together?**

**\_\_\_\_o. What percentage of the snack-size candy packages is chocolate candy.**

**\*\*\*\*\*\*\* P-Z Pre Ap/GT Extension \*\*\*\*\*\*\***

**\_\_\_\_p. What fraction of the non-chocolate candy did Ryan eat?**

**\_\_\_\_q. What percentage of the non-chocolate candy did Ryan eat?**

**\_\_\_\_r. Express the portion of non-chocolate candy eaten by Ryan as a decimal.**

**\_\_\_\_s. What fraction of the bag of candy was Skittles?**

**\_\_\_\_t. Who ate 25% of the packages of candy?**

**\_\_\_\_u. Who ate more that 25% of the packages of candy?**

**\_\_\_\_v. What fraction of the bag of candy was Tootsie rolls?**

**\_\_\_\_w. What percentage of the bag of candy was Tootsie rolls?**

**\_\_\_\_x. What fraction of the M&M’s did Ryan eat?**

**\_\_\_\_y. What percent of the M&M’s did Ryan eat?**

**\_\_\_\_z. What percent of the M&M’s did Melissa eat?**