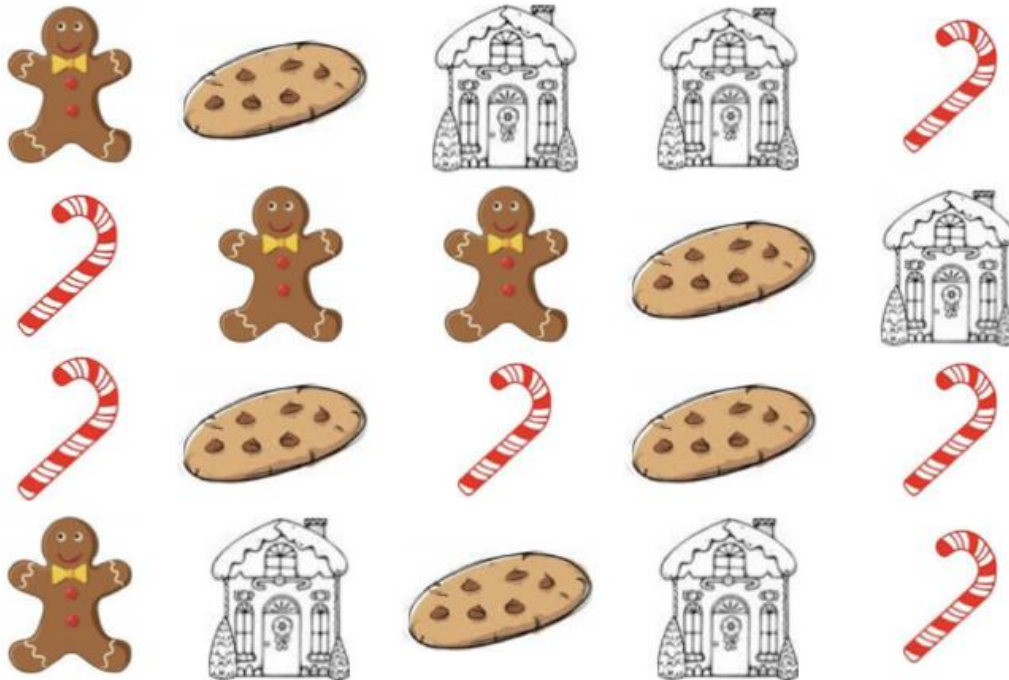**Homework #13**
Due <u>Friday</u>, December 20

Name_____
Buckley or Gietzen

Use the picture below to answer questions #1-8.

1. What <u>fraction</u> of the picture is gingerbread men? _____

2. What <u>percent</u> of the picture is gingerbread men? _____

3. What <u>fraction</u> of the picture is candy canes? _____

4. What <u>percent</u> of the picture is candy canes? _____

5. What <u>fraction</u> of the picture is gingerbread houses? _____

6. What <u>percent</u> of the picture is gingerbread houses? _____

7. What <u>fraction</u> of the picture is chocolate chip cookies? _____

8. What <u>percent</u> of the picture is chocolate chip cookies? _____

9. Rick and Joe each received a box of candy for the holidays.

$\frac{4}{5}$ of Rick's candy was chocolate.	60% of Joe's candy was chocolate.

Who received the **most** chocolate? Explain/show work to tell how you know.

10. Draw a cookie below that is $\frac{1}{4}$ sprinkles, 20% chocolate chips, 0.15 plain, and 2/5 striped icing:

11. Franklin, Josh and Roberto all took a quiz before going on holiday break. Franklin earned a **60%**, Josh earned **16/25** and Roberto earned **19/25**.

a. Who scored the best? _____

b. Who scored the worst? _____

12. Mrs. Gietzen makes hot chocolate for her class. She has a package of 300 mini-marshmellows. If each student gets $\frac{1}{25}$ of the package, how many marshmellows do they each get?

Convert each mixed number to an improper fraction. Match the letter to the space with the improper fraction and write it on the line above.

Why did the Gingerbread Man go to the doctor?

C	I	L
5 ¼	3 ½	2 ¾
S	E	W
2 ⅖	4 ⅔	1 ⅚
A	U	H
2 ⅛	3 ⅜	1 ⅘
G	R	N
3 ⅖	4 ⅙	1 ⅖
M	F	Y
2 ⅞	6 ⅖	4 ⅓

$$\frac{9}{5} \quad \frac{14}{3} \quad \frac{11}{6} \quad \frac{17}{8} \quad \frac{12}{5} \quad \frac{32}{5} \quad \frac{14}{3} \quad \frac{14}{3} \quad \frac{11}{4} \quad \frac{7}{2} \quad \frac{7}{5} \quad \frac{17}{5}$$

$$\frac{21}{4} \quad \frac{25}{6} \quad \frac{27}{8} \quad \frac{23}{8} \quad \frac{23}{8} \quad \frac{13}{3} \; !$$

Trim the Fractions

Name _____

Reduce each fraction to lowest terms. Color each light by the code.

$\frac{1}{2}$ green $\qquad$ $\frac{1}{3}$ blue $\qquad$ $\frac{1}{4}$ purple $\qquad$ $\frac{1}{5}$ red $\qquad$ $\frac{1}{6}$ orange $\qquad$ 1 brown

$\frac{5}{20}$ $\qquad$ $\frac{3}{6}$ $\qquad$ $\frac{8}{8}$ $\qquad$ $\frac{5}{15}$ $\qquad$ $\frac{2}{10}$

$\frac{3}{15}$ $\qquad$ $\frac{2}{8}$ $\qquad$ $\frac{3}{9}$ $\qquad$ $\frac{6}{12}$ $\qquad$ $\frac{10}{10}$

$\frac{3}{18}$ $\qquad$ $\frac{4}{20}$ $\qquad$ $\frac{2}{4}$ $\qquad$ $\frac{21}{63}$ $\qquad$ $\frac{12}{48}$

$\frac{4}{8}$ $\qquad$ $\frac{5}{30}$ $\qquad$ $\frac{2}{6}$ $\qquad$ $\frac{6}{30}$ $\qquad$ $\frac{3}{12}$

$\frac{4}{24}$ $\qquad$ $\frac{16}{64}$ $\qquad$ $\frac{5}{25}$ $\qquad$ $\frac{4}{12}$ $\qquad$ $\frac{22}{44}$

$\frac{9}{45}$ $\qquad$ $\frac{15}{45}$ $\qquad$ $\frac{4}{16}$ $\qquad$ $\frac{5}{10}$ $\qquad$ $\frac{2}{2}$