Name _____ Date _____

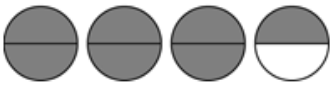
Ch. 5 fractions

After Break Review WS

Lesson 1: Mixed Numbers

1. Describe each picture as an improper fraction and as a mixed number.

a)

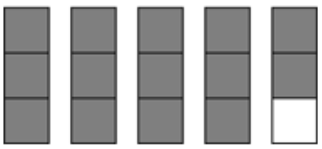


$3\frac{1}{2} = \frac{7}{2}$

b)

$2\frac{1}{4} = \frac{9}{4}$

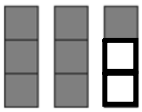
c)



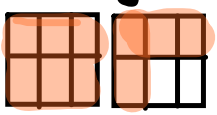
$4\frac{2}{3} = \frac{14}{3}$

2. Write an improper fraction for each mixed number. Use Rectangles to draw.

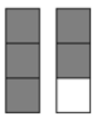
a) $2\frac{1}{3}$ $\frac{7}{3}$



b) $1\frac{4}{6}$ $\frac{10}{6}$



c) $1\frac{2}{3}$ $\frac{5}{3}$

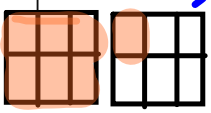


3. Write as an improper but don't draw (Use rule)

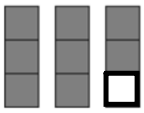
a) $3\frac{1}{2}$ $\frac{7}{2}$ b) $3\frac{1}{6}$ $\frac{19}{6}$ c) $2\frac{5}{6}$ $\frac{17}{6}$

4. Write a mixed number for each improper fraction. Use rectangles DRAW.

a) $\frac{7}{6}$ → Shade → whole cut in to



b) $\frac{8}{3}$



c) $\frac{7}{2}$

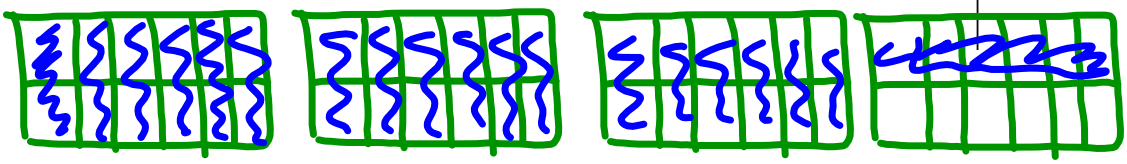
top ÷ Bott = # Remaind

5. Use the rule and Write a mixed number for each improper fraction.

a) $\frac{3}{2}$ $1\frac{1}{2}$ b) $\frac{17}{6}$ $2\frac{5}{6}$ c) $\frac{10}{3}$ $3\frac{1}{3}$

OOO → 12

6. Jeff baked $3\frac{1}{2}$ dozen cookies. How many cookies did Jeff bake? Draw a picture to show your work.



12 + 12 + 12 + 6

42 cookies

whole

denominator

7. The baseball team ordered 4 pizzas. Each pizza was cut into 8 equal slices. The team ate a total of 27 slices.

a) How many pizzas were eaten?

b) How many pizzas were left over?

a) $\frac{27}{8} = 3\frac{3}{8}$ 3 Full pizzas and $\frac{3}{8}$ or another

b) $\frac{5}{8}$ of a pizza is left

(4 full pizzas has 4x8 = 32 pizzas)

(32 - 27 = 5 pieces)

8. Write an improper fraction for each mixed number and a mixed number for each improper fraction. Use rules

a) $2\frac{3}{4}$ $\frac{11}{4}$ **b)** $1\frac{7}{8}$ $\frac{15}{8}$ **c)** $4\frac{3}{5}$ $\frac{23}{5}$

d) $\frac{9}{4}$ $2\frac{1}{4}$ **e)** $\frac{15}{12}$ $1\frac{3}{12}$ **f)** $\frac{24}{5}$ $4\frac{4}{5}$

All have to mixed o compare or all improper with the same denominators

9. Copy and complete. Use >, <, or =.

a) $\frac{15}{3} \square \frac{8}{6}$ $\frac{30}{6}$ $\frac{15}{3} \times \frac{2}{2}$ $5 > 1\frac{2}{6}$

b) $5\frac{1}{2} \square 3\frac{7}{4}$ $>$

c) $2\frac{1}{4} \square \frac{15}{8}$ $> 1\frac{7}{8}$

d) $\frac{24}{5} \square \frac{38}{15}$ $>$ $4\frac{4}{5}$ $2\frac{8}{15}$

e) $3\frac{2}{9} \square \frac{12}{3}$ < 4

f) $\frac{90}{8} \square \frac{45}{4}$ $=$ $\times 2$ $\times 2$ $\frac{90}{8}$ $11\frac{2}{8}$ $11\frac{1}{4}$

Make common denominators since whole numbers are the same

$\frac{2}{8}$ $\frac{1}{4} = \frac{2}{8}$ $\times 1$ $\times 2$

2. Order the numbers in each set from least to greatest.

a) $3\frac{3}{4}, 3\frac{1}{6}, \frac{14}{2}$ **b)** $\frac{13}{8}, 1\frac{7}{8}, \frac{7}{4}$ **c)** $2\frac{3}{4}, 2\frac{1}{2}, \frac{17}{8}$