Homework #15

Due Friday, Janurary 17

Name_____

Buckley or Gietzen

1. Three different groups of students are sharing leftover pizza (see situations below). Show what fraction of the pizza each student would get in each situation. Draw a picture or show your work.

a. Six students equally share $\frac{3}{4}$ of a pizza.

b. Three students share $\frac{1}{3}$ of a pizza.

c. Four students share $\frac{2}{3}$ of a pizza.

2. How many bows can you make from 5 meters of ribbon if one bow uses $\frac{1}{4}$ of a meter of ribbon?

3. Rosa makes $2\frac{1}{2}$ cups of pudding. How many $\frac{1}{6}$-cup servings can she get from the pudding?

4. Find each quotient. Show your work.

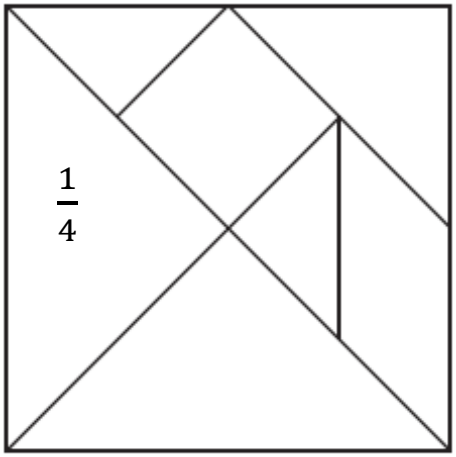
a. $\frac{2}{10} \div \frac{1}{4}$

b. $4 \div \frac{1}{3}$

c. $\frac{7}{8} \div 3$

d. $6 \div \frac{3}{4}$

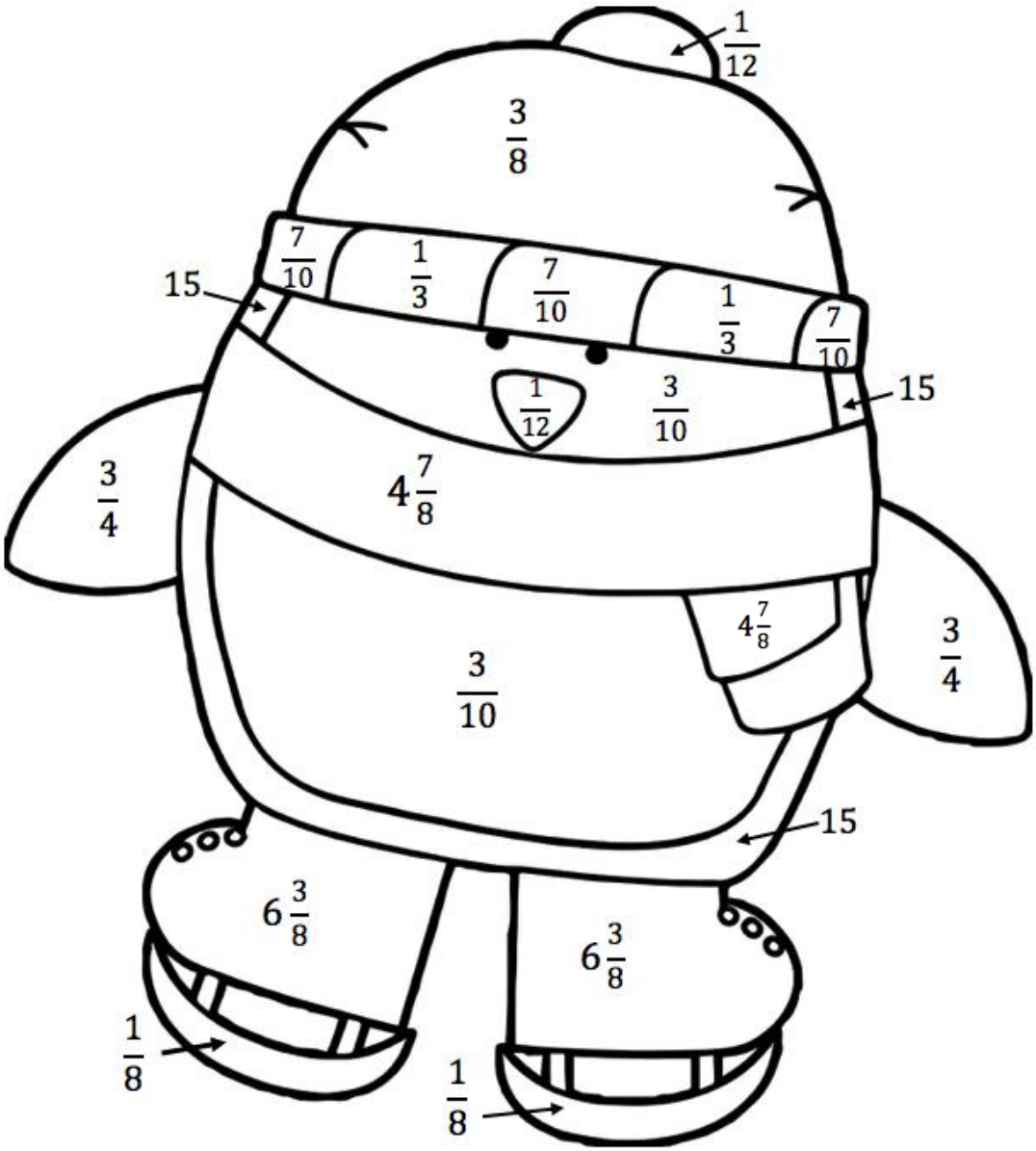
5. Study the tangram pieces at the right. If the **entire square is 1 whole**, find the fractional value of each piece. Label each section with the correct fraction.



Solve the following fraction questions. **Put your answer on the line**, then follow the key to color in the picture below.

6. $\frac{1}{2} \div 4 =$ _____	**Color your answer gray.**
7. $3\frac{1}{4} \div \frac{2}{3} =$ _____	**Color your answer purple.**
8. Simplify. $\frac{18}{24} =$ _____	**Color your answer black.**
9. $\frac{2}{3} \times \frac{1}{2} =$ _____	**Color your answer yellow.**
10. Simplify. $\frac{9}{30} =$ _____	**Color your answer white.**

11. $\frac{1}{8} \times \frac{2}{3} =$ _____	**Color your answer orange.**
12. Simplify. $\frac{51}{8} =$ _____	**Color your answer blue.**
13. $\frac{3}{4} \div 2 =$ _____	**Color your answer pink.**
14. $6 \div \frac{2}{5} =$ _____	**Color your answer black.**
15. Simplify. $\frac{28}{40} =$ _____	**Color your answer red.**



Put these fractions in simplest form.

- If the numerator is smaller than the denominator, reduce by dividing both parts by a common factor.
- If the numerator is LARGER than the denominator, simplify by changing it to a mixed number.

SHOW YOUR WORK!!

16. $\frac{67}{12}$ =

17. $\frac{8}{26}$ =

18. $\frac{15}{40}$ =

19. $\frac{8}{3}$ =

21. $\frac{27}{81}$ =

22. $\frac{34}{6}$ =

23. $\frac{125}{30}$ =

24. $\frac{14}{35}$ =