Name_____ Working with Fractions #3

*Using your fraction pieces, compare the fractions to 1 by putting **=**, **<** or **>** in the circle.*

1. $\frac{4}{3}$ (>) 1
2. $\frac{3}{4}$ ◯ 1
3. $\frac{5}{5}$ ◯ 1
4. $\frac{7}{6}$ ◯ 1
5. $\frac{6}{8}$ ◯ 1
6. $\frac{11}{10}$ ◯ 1
7. $\frac{3}{12}$ ◯ 1
8. $\frac{2}{2}$ ◯ 1
9. $\frac{2}{3}$ ◯ 1
10. $\frac{4}{4}$ ◯ 1
11. $\frac{6}{5}$ ◯ 1
12. $\frac{5}{6}$ ◯ 1

Look at the numerators and denominators of the fractions that are equal to one. What pattern do you notice?

13. _____

Look at the numerators and denominators of the fractions that are greater than one. What pattern do you notice?

14. _____

Add these fractions. If the answer is greater than one, circle your answer. If the answer is equal to one, draw a box around your answer. If you are unsure whether or not your answer is equal to or greater than one, use your fraction pieces to check your work.

15. $\frac{4}{8}+\frac{4}{8}=$
16. $\frac{3}{4}+\frac{2}{4}=$
17. $\frac{7}{12}+\frac{7}{12}=$
18. $\frac{5}{6}+\frac{1}{6}=$
19. $\frac{3}{5}+\frac{3}{5}=$
20. $\frac{7}{10}+\frac{2}{10}=$
21. $\frac{2}{3}+\frac{1}{3}=$
22. $\frac{1}{2}+\frac{1}{2}=$

Write in a numerator to make the problem equal to one. If you are unsure whether or not your answer is equal to or greater than one, use your fraction pieces to check your work.

15. $\frac{2}{3}+\frac{\quad}{3}=1$
16. $\frac{1}{4}+\frac{\quad}{4}=1$
17. $\frac{3}{5}+\frac{\quad}{5}=1$
18. $\frac{5}{6}+\frac{\quad}{6}=1$
19. $\frac{5}{8}+\frac{\quad}{8}=1$
20. $\frac{3}{10}+\frac{\quad}{10}=1$
21. $\frac{7}{12}+\frac{\quad}{12}=1$
22. $\frac{1}{2}+\frac{\quad}{2}=1$

Name_____ Working with Fractions #4

Use your fraction pieces to help you finish the mixed number.

1. $\frac{4}{3} = 1\frac{\quad}{3}$ 2. $\frac{6}{4} = 1\frac{\quad}{4}$ 3. $\frac{3}{2} = 1\frac{\quad}{2}$ 4. $\frac{8}{6} = 1\frac{\quad}{6}$

5. $\frac{11}{8} = 1\frac{\quad}{8}$ 6. $\frac{\quad}{10} = 1\frac{\quad}{10}$ 7. $\frac{13}{12} = 1\frac{\quad}{12}$ 8. $\frac{7}{5} = 1\frac{\quad}{5}$

9. $\frac{16}{12} = 1\frac{\quad}{12}$ 10. $\frac{9}{6} = 1\frac{\quad}{6}$ 11. $\frac{\quad}{10} = 1\frac{\quad}{10}$ 12. $\frac{10}{8} = 1\frac{\quad}{8}$

Solve. Then change the answer to a mixed number. The first one has been done for you. Use your fraction pieces if you need help.

13. $\frac{4}{8} + \frac{5}{8} = \frac{9}{8} = 1\frac{1}{8}$ 14. $\frac{3}{5} + \frac{4}{5} = \frac{\quad}{5} = 1\frac{\quad}{5}$ 15. $\frac{7}{12} + \frac{10}{12} = \frac{\quad}{12} = 1\frac{\quad}{12}$

16. $\frac{4}{6} + \frac{3}{6} = \frac{\quad}{6} = 1\frac{\quad}{6}$ 17. $\frac{7}{10} + \frac{6}{10} = \frac{\quad}{10} = 1\frac{\quad}{10}$ 18. $\frac{3}{4} + \frac{3}{4} = \frac{\quad}{4} = 1\frac{\quad}{4}$

Write in a numerator to make the fraction equal to one. Use your fraction pieces to check your work.

15. $\frac{\quad}{3} = 1$ 16. $\frac{\quad}{4} = 1$ 17. $\frac{\quad}{5} = 1$ 18. $\frac{\quad}{6} = 1$

19. $\frac{\quad}{8} = 1$ 20. $\frac{\quad}{10} = 1$ 21. $\frac{\quad}{12} = 1$ 22. $\frac{\quad}{2} = 1$

Use your fraction pieces to help you change the mixed number to a fraction.

23. $1\frac{1}{3} = \frac{\quad}{3}$ 24. $1\frac{2}{4} = \frac{\quad}{4}$ 25. $1\frac{2}{5} = \frac{\quad}{5}$ 26. $1\frac{1}{6} = \frac{\quad}{6}$

27. $1\frac{3}{8} = \frac{\quad}{8}$ 28. $1\frac{5}{10} = \frac{\quad}{10}$ 29. $1\frac{5}{12} = \frac{\quad}{12}$ 30. $1\frac{1}{2} = \frac{\quad}{2}$

Explain to a friend how to turn a mixed number into an improper fraction.

31._____

_____

Name_____ Working with Fractions #3

*Using your fraction pieces, compare the fractions to 1 by putting **=**, **<** or **>** in the circle.*

1. $\frac{4}{3}$ (>) 1
2. $\frac{3}{4}$ (<) 1
3. $\frac{5}{5}$ (=) 1
4. $\frac{7}{6}$ (>) 1
5. $\frac{6}{8}$ (<) 1
6. $\frac{11}{10}$ (>) 1
7. $\frac{3}{12}$ (<) 1
8. $\frac{2}{2}$ (=) 1
9. $\frac{2}{3}$ (<) 1
10. $\frac{4}{4}$ (=) 1
11. $\frac{6}{5}$ (>) 1
12. $\frac{5}{6}$ (<) 1

Look at the numerators and denominators of the fractions that are equal to one. What pattern do you notice?

13. **The numerator and denominator are the same number.**

Look at the numerators and denominators of the fractions that are greater than one. What pattern do you notice?

14. **The numerator is larger than the denominator.**

Add these fractions. If the answer is greater than one, circle your answer. If the answer is equal to one, draw a box around your answer. If you are unsure whether or not your answer is equal to or greater than one, use your fraction pieces to check your work.

15. $\frac{4}{8}+\frac{4}{8}=\frac{8}{8}$
16. $\frac{3}{4}+\frac{2}{4}=\frac{5}{4}$
17. $\frac{7}{12}+\frac{7}{12}=\frac{14}{12}$
18. $\frac{5}{6}+\frac{1}{6}=\frac{6}{6}$
19. $\frac{3}{5}+\frac{3}{5}=\frac{6}{5}$
20. $\frac{7}{10}+\frac{2}{10}=\frac{9}{10}$
21. $\frac{2}{3}+\frac{1}{3}=\frac{3}{3}$
22. $\frac{1}{2}+\frac{1}{2}=\frac{2}{2}$

Write in a numerator to make the problem equal to one. If you are unsure whether or not your answer is equal to or greater than one, use your fraction pieces to check your work.

15. $\frac{2}{3}+\frac{1}{3}=1$
16. $\frac{1}{4}+\frac{3}{4}=1$
17. $\frac{3}{5}+\frac{2}{5}=1$
18. $\frac{5}{6}+\frac{1}{6}=1$
19. $\frac{5}{8}+\frac{3}{8}=1$
20. $\frac{3}{10}+\frac{7}{10}=1$
21. $\frac{7}{12}+\frac{5}{12}=1$
22. $\frac{1}{2}+\frac{1}{2}=1$

Name_____ Working with Fractions #4

Use your fraction pieces to help you finish the mixed number.

1. $\frac{4}{3} = 1\frac{1}{3}$ 2. $\frac{6}{4} = 1\frac{2}{4}$ 3. $\frac{3}{2} = 1\frac{1}{2}$ 4. $\frac{8}{6} = 1\frac{2}{6}$

5. $\frac{11}{8} = 1\frac{3}{8}$ 6. $\frac{13}{10} = 1\frac{3}{10}$ 7. $\frac{13}{12} = 1\frac{1}{12}$ 8. $\frac{7}{5} = 1\frac{2}{5}$

9. $\frac{16}{12} = 1\frac{4}{12}$ 10. $\frac{9}{6} = 1\frac{3}{6}$ 11. $\frac{15}{10} = 1\frac{5}{10}$ 12. $\frac{10}{8} = 1\frac{2}{8}$

Solve. Then change the answer to a mixed number. The first one has been done for you. Use your fraction pieces if you need help.

13. $\frac{4}{8} + \frac{5}{8} = \frac{9}{8} = 1\frac{1}{8}$ 14. $\frac{3}{5} + \frac{4}{5} = \frac{7}{5} = 1\frac{2}{5}$ 15. $\frac{7}{12} + \frac{10}{12} = \frac{17}{12} = 1\frac{5}{12}$

16. $\frac{4}{6} + \frac{3}{6} = \frac{7}{6} = 1\frac{1}{6}$ 17. $\frac{7}{10} + \frac{6}{10} = \frac{13}{10} = 1\frac{3}{10}$ 18. $\frac{3}{4} + \frac{3}{4} = \frac{6}{4} = 1\frac{2}{4}$

Write in a numerator to make the fraction equal to one. Use your fraction pieces to check your work.

15. $\frac{3}{3} = 1$ 16. $\frac{4}{4} = 1$ 17. $\frac{5}{5} = 1$ 18. $\frac{6}{6} = 1$

19. $\frac{8}{8} = 1$ 20. $\frac{10}{10} = 1$ 21. $\frac{12}{12} = 1$ 22. $\frac{2}{2} = 1$

Use your fraction pieces to help you change the mixed number to a fraction.

23. $1\frac{1}{3} = \frac{4}{3}$ 24. $1\frac{2}{4} = \frac{6}{4}$ 25. $1\frac{2}{5} = \frac{7}{5}$ 26. $1\frac{1}{6} = \frac{7}{6}$

27. $1\frac{3}{8} = \frac{11}{8}$ 28. $1\frac{5}{10} = \frac{15}{10}$ 29. $1\frac{5}{12} = \frac{17}{12}$ 30. $1\frac{1}{2} = \frac{3}{2}$

Explain to a friend how to turn a mixed number into an improper fraction.

31. **Answers will vary but should work.**