

SEQUENTIAL FRACTIONS INVENTORY

Student Name: _____

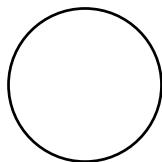
School: _____ Grade: _____

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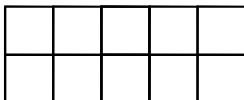
Assessment developed by Charles Allan, Linda Patriarca, and Wayne Scott with partial support provided by a USDE State Improvement Grant, (Michigan Department of Education, Office of Special Education). All rights reserved.

1. Shade the picture to represent the fraction identified:

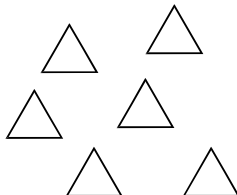
a. Shade $\frac{1}{2}$ of this circle.



b. Shade $\frac{1}{5}$ of this rectangle.



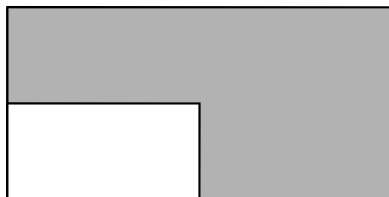
c. Shade $\frac{2}{3}$ of the triangles.



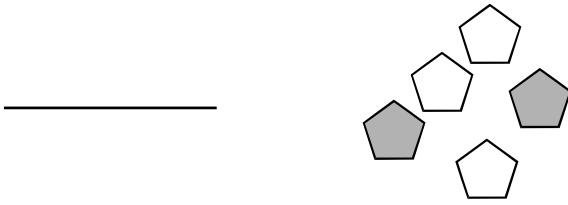
d. Put an "X" where $\frac{3}{4}$ is on this line



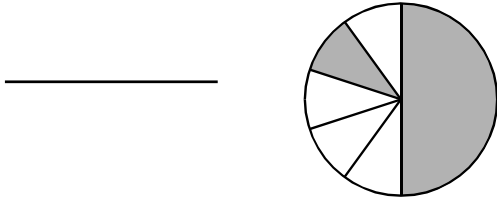
2. a. What fraction of the rectangle is shaded? Write the number on the line.



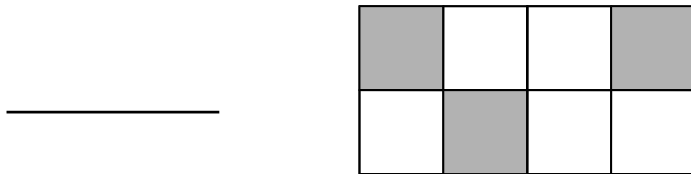
b. What fraction of the shapes are shaded? Write the number on the line.



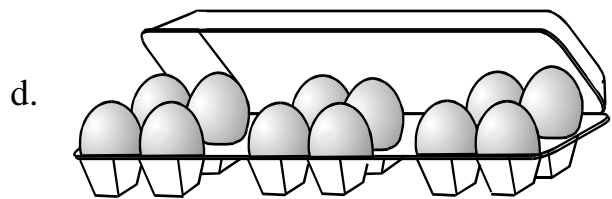
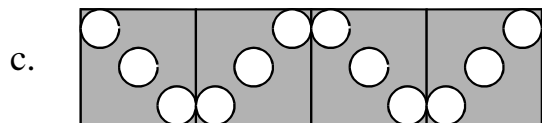
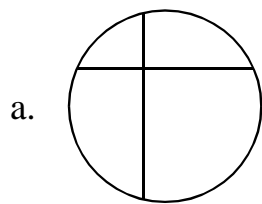
c. What fraction of the circle is shaded? Write the number on the line.



d. What fraction of the figure is shaded? Write the number on the line.

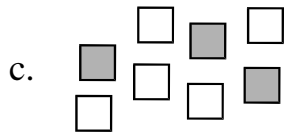
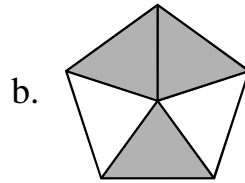
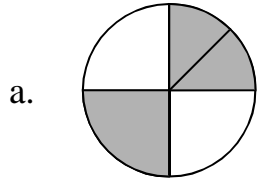


3. Which picture below shows fourths? Circle the correct letter.



e. not given

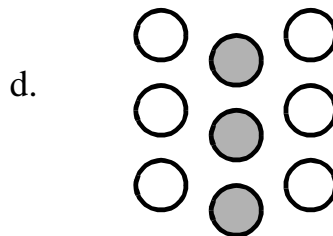
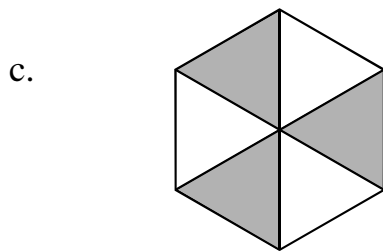
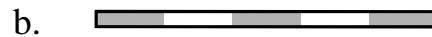
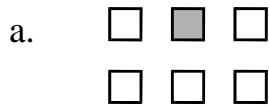
4. Which picture below shows $\frac{3}{5}$ shaded? Circle the correct letter.



d. not given

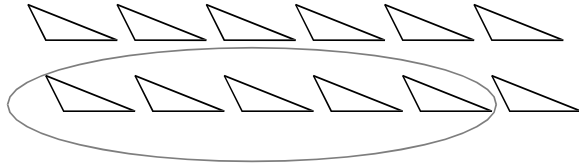
e. I do not know.

5. Which picture shows $\frac{3}{6}$ shaded?

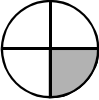


e. not given

6. What fraction of the triangles is circled?



- a. $\frac{5}{12}$ b. $\frac{5}{7}$ c. $\frac{7}{12}$ d. $\frac{5}{8}$ e. not given

7. In this picture, , $\frac{1}{4}$ is shaded. What does the number 4 tell us?

- a. the number of shaded portions
b. the number of equal-sized portions in the whole.
c. the number of portions that are not shaded.
d. I do not know.

8. Mary said that she had a pizza that was cut into 8 pieces that are all the same size. Circle where the 8 should be written in fraction notation.

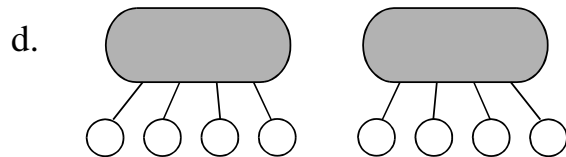
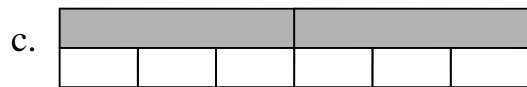
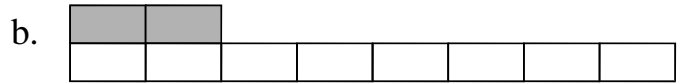
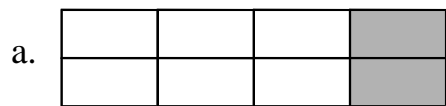
a. $\frac{8}{\square}$

b. $\frac{\square}{8}$

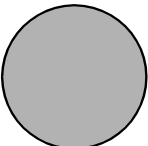
c. $\sqrt{8}$

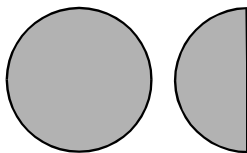
d. I do not know.

9. In the fraction $\frac{2}{8}$ circle the picture below that shows what the “2” means in $\frac{2}{8}$.



e. not given.

10. If this is the unit, , then what fraction is shown by this picture?




a. 3

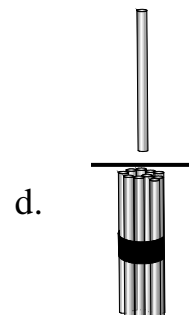
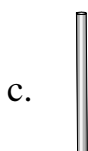
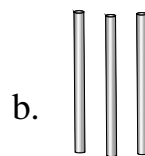
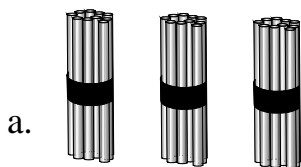
b. $\frac{1}{2}$


c. $1\frac{1}{2}$

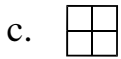
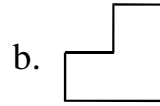
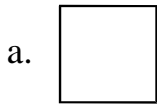
d. 2

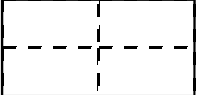
e. not given

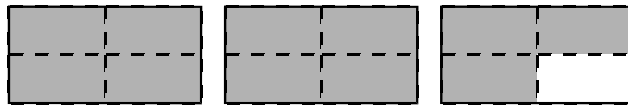
11. If this  equals $\frac{1}{3}$, then which picture shows one?



12. If this  is $\frac{1}{4}$ of the whole, then which picture shows $\frac{4}{4}$ or 1 whole? Circle the letter.



13. If  = 1, then what fraction of the picture below is shaded?



a. $\frac{11}{12}$

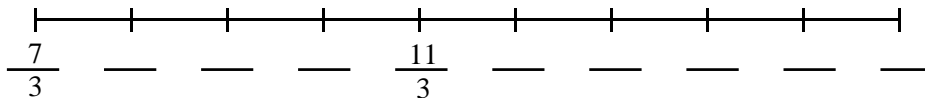
b. $\frac{11}{4}$

c. $\frac{1}{12}$

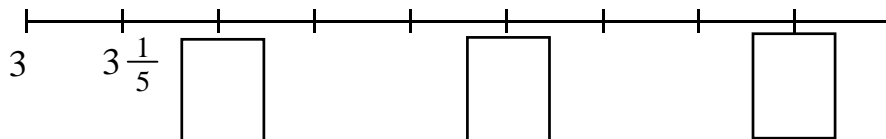
d. $2\frac{1}{4}$

e. I do not know.

14. Fill in the blanks on the number line below.



15. Fill in the empty boxes on the number line below.



16. In the space below:

a. count by fourths beginning with $\frac{0}{4}$.

$\frac{0}{4}$, _____, _____, _____, _____, _____, _____, _____, _____

b. count by thirds beginning with $1\frac{1}{3}$.

$1\frac{1}{3}$, _____, _____, _____, _____, _____

c. count backward by halves beginning with $3\frac{1}{2}$.

$3\frac{1}{2}$, _____, _____, _____, _____, _____

d. count by fifths beginning with $\frac{9}{5}$.

$\frac{9}{5}$, _____, _____, _____, _____, _____

17. Write these as numbers.

a. _____ three-eighths

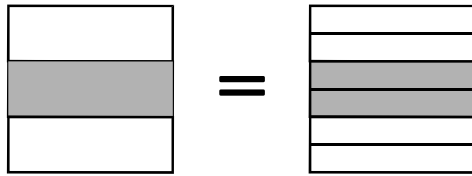
b. _____ four and one-fifth

c. _____ eight-thirds

d. _____ thirteen and one-tenth

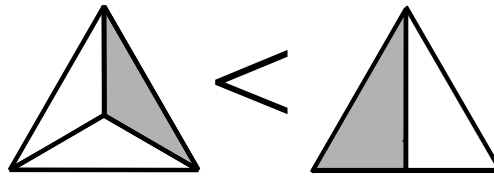
e. _____ five-halves

18. Which fraction sentence shows the same thing as this picture?



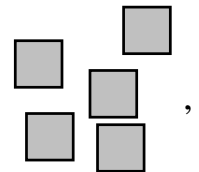
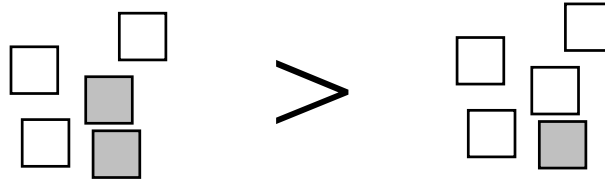
- a. $\frac{1}{2} = \frac{3}{6}$ b. $\frac{1}{2} = \frac{2}{4}$ c. $\frac{1}{3} = \frac{2}{6}$ d. I do not know.

19. Which fraction statement below shows the same thing as the picture.



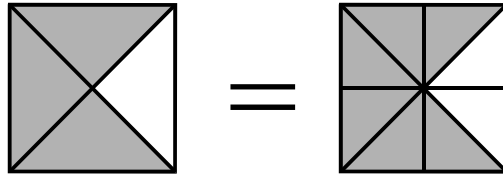
- a. $\frac{1}{3}$ is less than $\frac{1}{2}$
 b. $\frac{1}{3}$ is less than $\frac{1}{1}$
 c. $\frac{3}{2}$ is greater than $\frac{2}{1}$
 d. I do not know.

20. Which fraction statement best describes the pictures below if this, equals one.



- a. $\frac{2}{3}$ is greater than $\frac{1}{4}$
 b. $\frac{2}{5}$ is greater than $\frac{1}{5}$
 c. $\frac{4}{1}$ is greater than $\frac{3}{2}$
 d. I do not know.

21. Which fraction shows the same thing as this picture?



a. $\frac{3}{1} = \frac{6}{2}$

b. $\frac{1}{3} = \frac{2}{6}$

c. $\frac{3}{4} = \frac{6}{8}$

d. I do not know.

22. Order the fractions from smallest to largest.

a. $\frac{1}{3}$ $\frac{1}{5}$ $\frac{1}{2}$ $\frac{1}{12}$ $\frac{1}{8}$

b. $\frac{8}{12}$ $\frac{1}{5}$ $\frac{1}{2}$ $\frac{1}{12}$ $\frac{1}{8}$

c. $\frac{3}{4}$ $\frac{12}{12}$ $\frac{2}{3}$ $\frac{9}{10}$ $\frac{1}{2}$

23. Circle True or False

a. $\frac{1}{3}$ is larger than $\frac{1}{5}$ True False

b. $\frac{2}{3}$ is smaller than $\frac{3}{2}$ True False

c. $\frac{4}{5}$ is smaller than $\frac{0}{5}$ True False

d. $\frac{4}{8}$ is larger than $\frac{3}{4}$ True False

24. How many thirds equal $1\frac{1}{3}$?

a. 2

b. 4

c. 5

d. I do not know.

25. Which number sentence means the same as “one-half of one-fifth”?

a. $\frac{1}{2} + \frac{1}{5} = ?$

b. $\frac{1}{2} + 15 = ?$

c. $\frac{1}{2} \times \frac{1}{5} = ?$

d. $\frac{1}{2} - \frac{1}{5} = ?$

26. Find the sum.

$$\begin{array}{r} \frac{4}{8} \\ + \frac{1}{8} \\ \hline \end{array}$$

27. Find the sum $\frac{2}{3} + \frac{1}{3} =$ _____

28. Find the difference $\frac{7}{12} - \frac{4}{12} =$ _____

29. Find the difference $\frac{3}{4} - \frac{3}{4} =$ _____