3rd Math STAAR Practice
Week 3

**Focus:**
- Fractions

**Directions:**
- Complete each day’s work
- Show your work or justify your answer.
Week 3 Day 1
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1 Perry has some game tiles.

![Tiles Image]

Triangles are printed on what fraction of the tiles?

A $\frac{2}{6}$  B $\frac{2}{5}$  C $\frac{2}{8}$  D $\frac{2}{4}$

2 Angela placed points $P$, $Q$, $R$, and $S$ on the number line below.

![Number Line Image]

Point $Q$ represents which fraction?

F $\frac{2}{6}$  G $\frac{3}{6}$  H $\frac{1}{4}$  J $\frac{3}{5}$

3 Which stack of cylinders is shaded to represent the fraction $\frac{3}{4}$?

![Cylinders Image]

A  B  C  D

4 Javier placed point $J$ on the number line shown below.

![Number Line Image]

Point $J$ represents which fraction?

F $\frac{1}{3}$  H $\frac{1}{5}$

G $\frac{1}{4}$  J $\frac{1}{6}$

5 Which model represents five sixths?

![Models Image]

F  G  H  J

6 Christina is shading a fraction model.

![Fraction Model Image]

How many more parts should she shade to represent the fraction $\frac{7}{8}$?

A 6  B 5  C 7  D 4
Week 3 Day 2
1. Richard wants to make a model of two fourths. Which describes one way Richard can make a correct model of the fraction?
   - A. Draw four congruent squares and then shade two of the squares.
   - B. Draw six congruent squares and then shade two of the squares.
   - C. Draw two congruent squares and then shade both of the squares.
   - D. Draw four congruent squares and then draw two more squares.

2. Which model represents $\frac{4}{6}$?
   - F
   - G
   - H
   - J

3. Look at the chopsticks below.
   What fraction of the chopsticks is black?
   - A. $\frac{1}{1}$
   - B. $\frac{2}{2}$
   - C. $\frac{1}{2}$
   - D. $\frac{2}{1}$

4. On which number line does point Z represent one third?
   - F
   - G
   - H
   - J
Week 3 Day 3
1. Amanda drew models of fractions $A$ and $B$ on the number lines below.

Amanda’s models show that –

- $A \frac{2}{3} = \frac{4}{6}$
- $B \frac{2}{6} = \frac{4}{8}$
- $C \frac{2}{4} = \frac{2}{8}$
- $D \frac{2}{4} = \frac{4}{8}$

2. Each model represents one third.

Fraction X [Diagram] Fraction Y [Diagram]

Is fraction X equivalent to fraction Y?

- F Yes. One third equals one third.
- G Yes. The areas of the shaded parts are the same size.
- H No. The wholes are different sizes.
- J No. Squares are always smaller than circles.

3. Which model justifies David’s conclusion that three eighths is less than three sixths?

3. Rashida jogged $\frac{5}{8}$ of a mile. Kendra jogged $\frac{5}{6}$ of a mile. Which girl jogged the greater distance?

- A Rashida, because $\frac{5}{8} > \frac{5}{6}$.
- B Kendra, because $\frac{5}{6} > \frac{5}{8}$.
- C Rashida, because $\frac{5}{5} > \frac{5}{6}$.
- D Neither, because $\frac{5}{8} = \frac{5}{6}$. 
Week 3 Day 4
1. Models of fractions $L$, $M$, and $N$ are shown below.

- $L$ is at the 0.5 mark.
- $M$ is at the 0.25 mark.
- $N$ is at the 0.75 mark.

Which statement is true?

A. None of the fractions are equivalent.
B. Fractions $M$ and $N$ are equivalent.
C. All three fractions are equivalent.
D. Fractions $L$ and $N$ are equivalent.

2. Alexa wants to draw and shade models to show that one fourth is equivalent to two eighths. Alexa should make sure that:

- F. the whole she divides into fourths is a circle and the whole she divides into eighths is a rectangle.
- G. the wholes she divides into fourths and eighths are different sizes.
- H. the whole she divides into fourths is a triangle and the whole she divides into eighths is a quadrilateral.
- J. the wholes she divides into fourths and eighths are the same size.

3. Steven drank $\frac{5}{6}$ cup of juice in the morning and $\frac{6}{6}$ cup of juice in the evening. Which correctly compares these fractions?

A. $\frac{5}{6} = \frac{6}{6}$
B. $\frac{5}{6} > \frac{6}{6}$
C. $\frac{5}{5} < \frac{6}{6}$
D. $\frac{5}{6} < \frac{6}{6}$
Week 3 Day 5
1 Models of fractions D, E, and F are shown below.

Which fractions are equivalent?
A Fractions D and E only
B Fractions D and F only
C None are equivalent
D All three fractions are equivalent

2 Faith wants to show that one third is equivalent to two sixths. Which pair of templates can Faith use to show this?

3 Dylan ate \( \frac{3}{6} \) pound of shrimp. Carlos ate \( \frac{3}{4} \) pound of shrimp. Which shows a correct comparison of these two fractions?
A \( \frac{3}{6} > \frac{3}{4} \)
B \( \frac{4}{6} < \frac{3}{3} \)
C \( \frac{3}{6} = \frac{3}{4} \)
D \( \frac{3}{6} < \frac{3}{4} \)

3 Alexander drank \( \frac{5}{8} \) cup of water after recess. Demont drank \( \frac{5}{6} \) cup of water. Which shows a correct comparison of these two fractions?
A \( \frac{5}{8} < \frac{5}{6} \)
B \( \frac{5}{8} > \frac{5}{6} \)
C \( \frac{5}{8} = \frac{5}{6} \)
D \( \frac{6}{8} < \frac{5}{5} \)