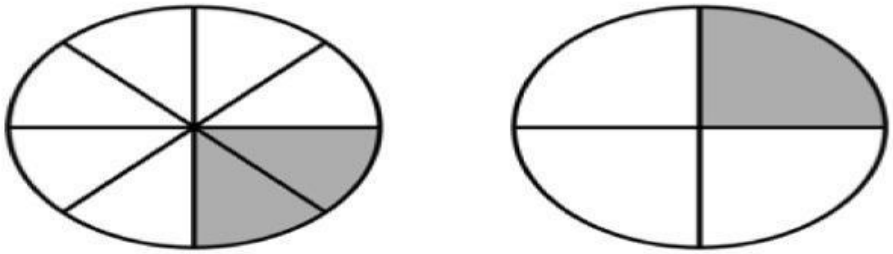
Review #1 For Fractions
Use your strategies Sheets.

The models below each represent a fraction.

1



Which statement is true, based on the models?

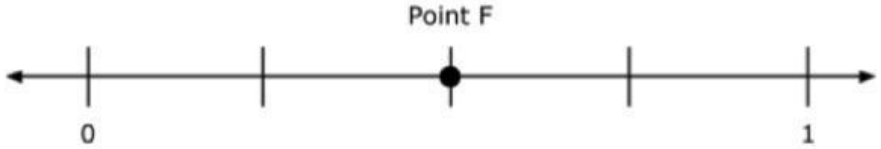
A $\frac{1}{4} = \frac{2}{8}$

B $\frac{1}{4} > \frac{2}{8}$

C $\frac{1}{4} = \frac{1}{8}$

D $\frac{1}{4} > \frac{1}{8}$

2 Point F is labeled on the number line.



Using the number line, which statement is true?

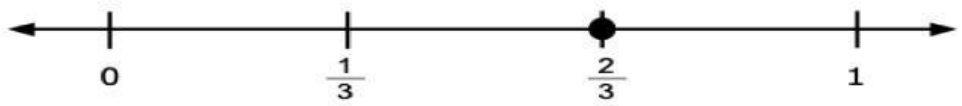
F Point F represents $\frac{2}{4}$ and $\frac{1}{2}$, because they are both halfway on the number line.

G Point F represents $\frac{2}{4}$ and $\frac{1}{8}$, because both fractions are equivalent.

H Point F represents $\frac{3}{4}$ and $\frac{2}{4}$, because both fractions represent four equal parts of a whole.

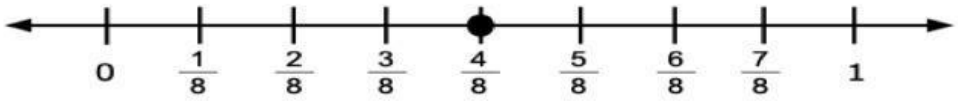
J None of the above

3 Alejandro marked the number line at $\frac{2}{3}$.

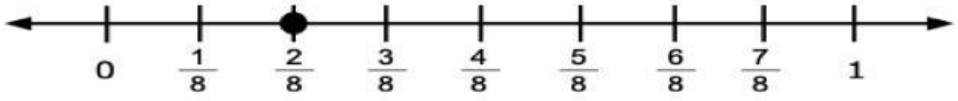


Which number line shows a fraction that is equivalent to the fraction on the number line Alejandro marked?

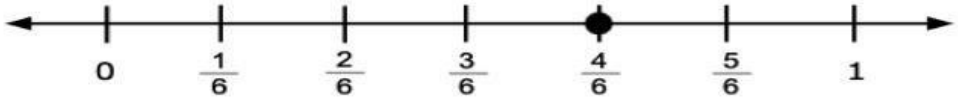
A



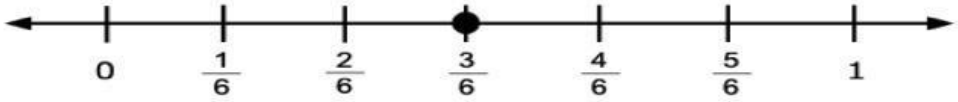
B



C

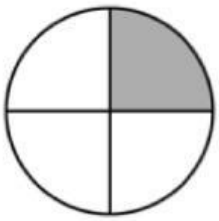


D

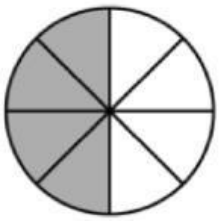


4 Ayah drew a model that is equivalent to the fraction $\frac{3}{4}$. Which of the models could be the model that Ayah drew to represent a fraction that is equivalent to $\frac{3}{4}$?

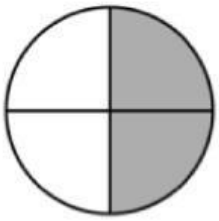
F



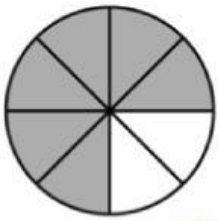
H



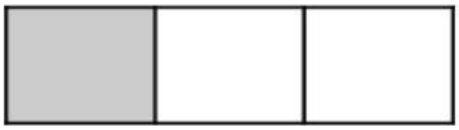
G



J



5 The model below represents a fraction.



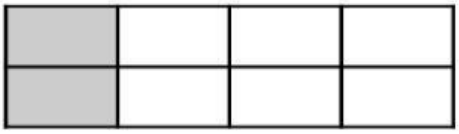
Which of the models below shows a fraction that is equivalent to the model above?

A

C

B

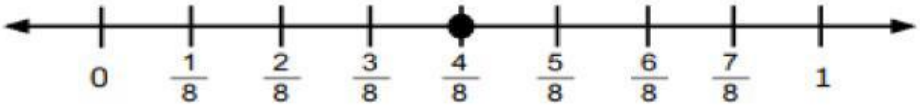
D



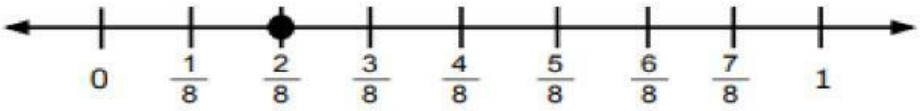
6 Alejandro marked the number line at $\frac{2}{3}$.

Which number line shows a fraction that is equivalent to the fraction on the number line Alejandro marked?

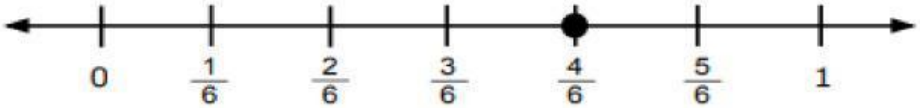
A



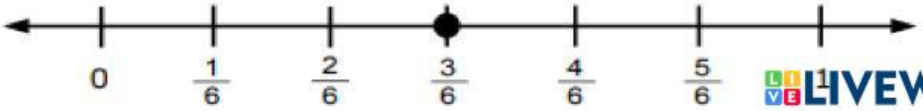
B



C



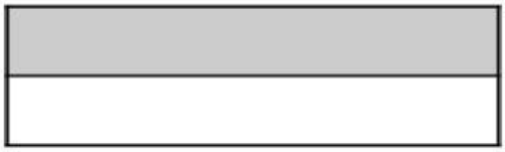
D



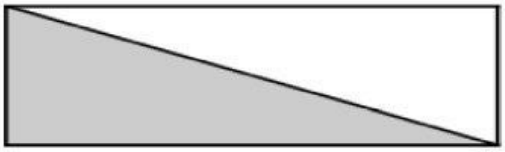
7 Niko drew the rectangle below to represent a fraction.

Which of the rectangles does not have that same fraction shaded?

A



C

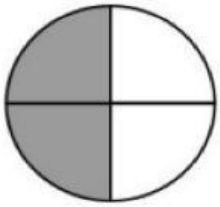


B

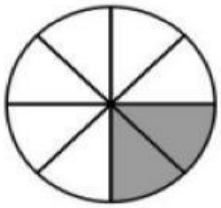
D

8 John ordered two pizzas. They are the same size, and each is divided into equal pieces. The models are shaded to show how much pizza John ate.

Model:



Model:



Which statement correctly describes both models?

A The fraction $\frac{2}{4}$ is less than $\frac{2}{8}$, because fourths are smaller than eighths.

B The fraction $\frac{2}{4}$ is greater than $\frac{2}{8}$, because fourths are larger than eighths.

C The fraction $\frac{2}{4}$ is greater than $\frac{2}{8}$, because fourths are smaller than eighths.

D The fraction $\frac{2}{4}$ is less than $\frac{2}{8}$, because fourths are larger than eighths.

9 A teacher shaded 2 number lines as shown below.

Based on the number lines, which comparison is true?

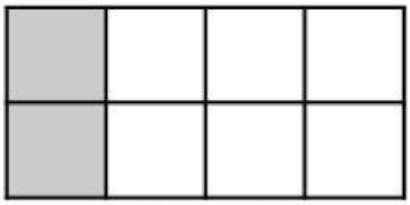
F $\frac{2}{3} > \frac{2}{4}$

G $\frac{2}{3} < \frac{2}{4}$

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

J $\frac{2}{3} < \frac{1}{4}$

10 A carpenter is placing tile in a new house. The models below are shaded to represent the two rooms that he has started tiling.



Room A

Room B

Which statement describes the models?

A $\frac{2}{8} < \frac{3}{8}$

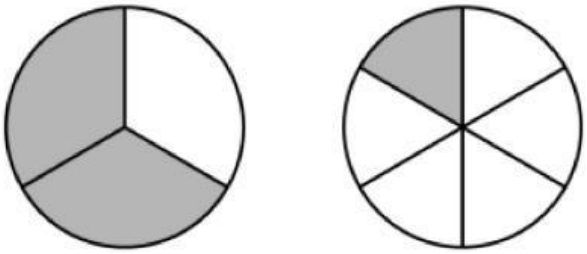
B $\frac{2}{8} > \frac{3}{8}$

C $\frac{3}{8} < \frac{2}{8}$

D $\frac{2}{8} = \frac{3}{8}$

11

Niyah baked 2 pies as shown by the models below. The pies are shaded to represent 2 different fractions.



Which comparison of these fractions is true?

F $\frac{2}{3} = \frac{1}{6}$, because thirds and sixths are equal

G $\frac{2}{3} < \frac{1}{6}$, because 3 is less than 6

H $\frac{2}{3} < \frac{1}{6}$, because sixths are larger than thirds

J $\frac{2}{3} > \frac{1}{6}$, because thirds are larger than sixths