BEFORE ACTIVITY

Read the following assumptions and state whether you agree or disagree.

1. When we compare two fractions whose denominators are the same, the fraction with a bigger numerator is bigger. _____
2. When we compare two fractions whose numerators are the same, the fraction with a bigger denominator is bigger. _____

MAIN ACTIVITY

Part (a): Filling the Table

In this part, you will use a Scratch project to explore and compare different proper fractions. You will analyze how changes in numerators and denominators affect the value of a fraction. Please follow the instructions on Scratch and fill in the table. The Scratch program tells you where you need to record.

Cases	Fraction-1	Draw Fraction-1	Fraction-2	Draw Fraction-2	Which one is greater?
A					
B					
C					
D					

Part (b): Observations

Answer the following questions by referring to the table you fill in.

a) In which cases denominators are same but numerators are different? _____ and _____

b) How does changing the numerators affect the value of fractions? Explain.

_____

_____

c) In which cases numerators are same but denominators are different? _____ and _____

d) How does changing the denominators affect the value of fractions? Explain.

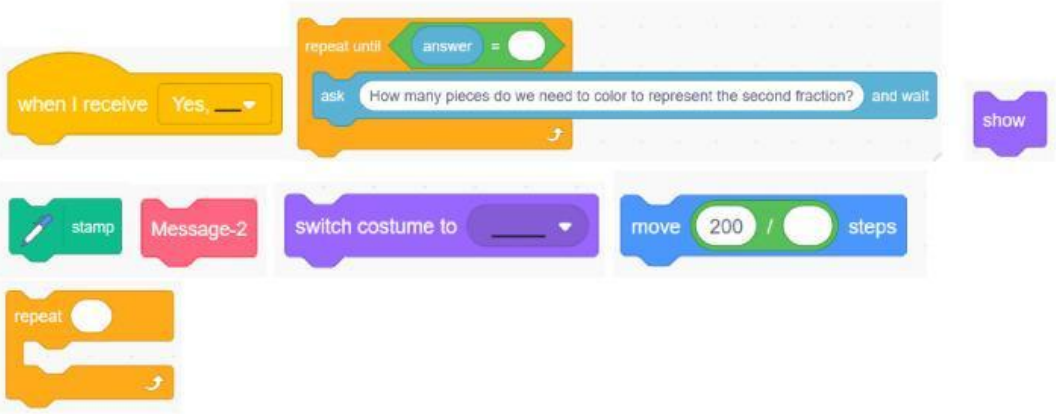
_____

_____

Part (c): Understanding the Code

a. The following is a part of the codes that belong to the Pencil sprite in the Scratch program. Can you explain which process occurs in that part? Please explain each code.

b. The following codes belong to pencil and pieces sprite. Determine which codes belong to which spirit. Then order and write the correct input to create 7/8. (The rectangular shape has a size of 200x50)



Codes For Pencil Sprite	Codes For Pieces Sprite

AFTER THE ACTIVITY

Read the following assumptions again and state whether your answers change or stay the same.

1. When we compare two fractions whose denominators are the same, the fraction with a bigger numerator is bigger. _____
2. When we compare two fractions whose numerators are the same, the fraction with a bigger denominator is bigger. _____