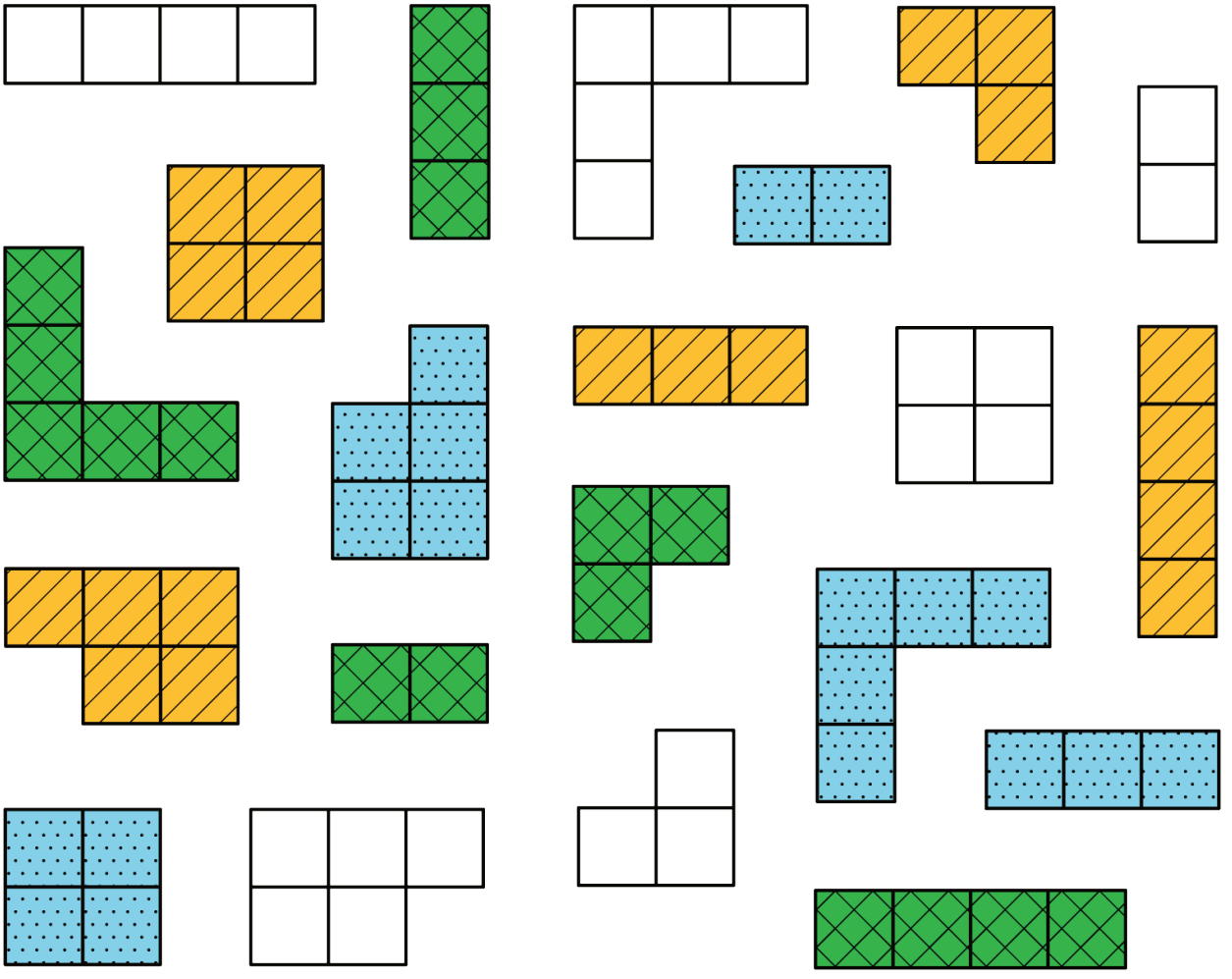
Unit 2 Lesson 1: Introducing Ratios and Ratio Language

1 What Kind and How Many? (Warm up)

Student Task Statement



Think of different ways you could sort these figures. What categories could you use? How many groups would you have?

2 The Teacher's Collection

Images for Launch

Student Task Statement

1. Think of a way to sort your teacher's collection into two or three categories. Count the items in each category, and record the information in the table.

category name			
category amount			

   Pause here so your teacher can review your work.

2. Write at least two sentences that describe **ratios** in the collection. Remember, there are many ways to write a ratio:
   - The ratio of *one category* to *another category* is _____ to _____.
   - The ratio of *one category* to *another category* is _____ : _____.
   - There are _____ of *one category* for every _____ of *another category*.

3 The Student's Collection

Student Task Statement

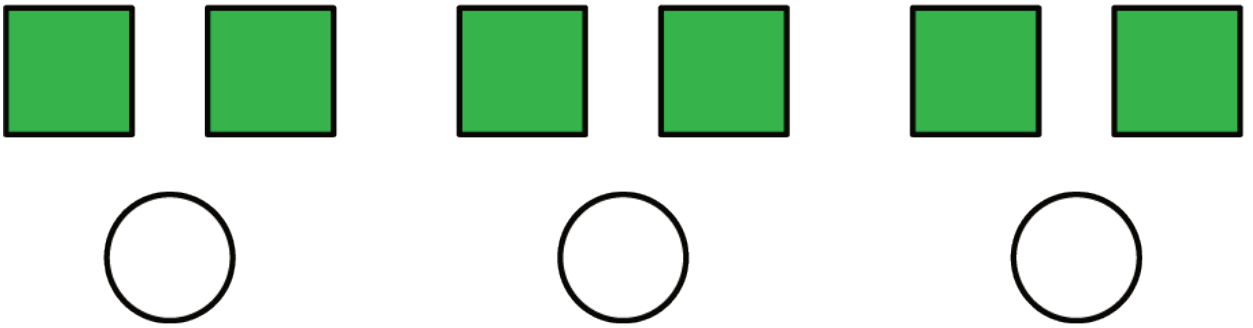
1. Sort your collection into three categories. You can experiment with different ways of arranging these categories. Then, count the items in each category, and record the information in the table.

category name			
category amount			

2. Write at least two sentences that describe **ratios** in the collection. Remember, there are many ways to write a ratio:

   - The ratio of *one category* to *another category* is _____ to _____.
   - The ratio of *one category* to *another category* is _____ : _____.
   - There are _____ of *one category* for every _____ of *another category*.

   Pause here so your teacher can review your sentences.

3. Make a visual display of your items that clearly shows one of your statements. Be prepared to share your display with the class.

Images for Activity Synthesis