Model the mosaic ratio in three ways

Grade 6 / Mathematics | Visual learning



Goal and model

Goal: Describe a ratio as a multiplicative relationship and model it in words, a table and a drawing. Model: A sample has 3 blue squares for every 2 gold circles. Blue:gold = 3:2. Blue quantity is 3/2 times gold quantity. Doubling both counts gives 6:4, preserving this relationship.

Reference grid

Vocabulary	Meaning
ratio	a multiplicative comparison of two quantities
ordered categories	the named first and second quantities

Read the source

FICTIONAL MOSAIC KIT: A full tray has 6 blue squares and 4 gold circles. A second identical tray has the same counts. Only these two categories are present. Use the written counts rather than counting decorative artwork.

Prepare to practice

Step 1. Read the source with a partner or silently. Use the written source for answers; the decorative picture adds no facts.