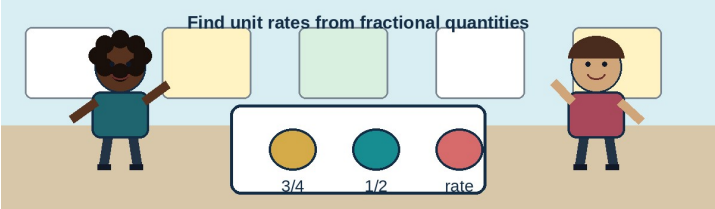
Find unit rates from fractional quantities

Grade 7 mathematics | Worked examples and practice



Goal and model

Compute and interpret unit rates formed from ratios of fractions. ***Model:*** Three-fourths mile in one-half hour: (3/4) ÷ (1/2) = 3/2 miles per hour.

Vocabulary

Vocabulary	Meaning
unit rate	a rate per one unit
reciprocal	the flipped divisor used to divide fractions
interpret	explain what a number means in context

Read the source

SIMULATED PRACTICE RECORDS: Route A is 3/4 mile in 1/2 hour. Route B is 5/6 mile in 2/3 hour. Ribbon C uses 7/8 yard for 1/4 poster.

Guided practice

Step 1. Compute Route A's unit rate.

Step 2. Compute Route B's unit rate.