Compare two bike-rental plans

Grade 8 / Mathematics | Worked examples and task cards



Goal and model

Goal: Represent two linear pricing plans with tables and equations and determine which costs less for a stated number of hours. ***Model:*** Let h be hours. Plan A charges 6 dollars to start plus 4 dollars per hour, so A = 6 + 4h. Plan B charges 2 dollars to start plus 5 dollars per hour, so B = 2 + 5h.

Reference grid

Vocabulary	Meaning
start fee	fixed amount charged once
rate	amount charged for each hour
linear equation	equation with a constant rate of change
intersection	input where two plans have the same output

Read the source

FICTIONAL PRICES: Plan A: $6 start fee plus $4 per hour. Plan B: $2 start fee plus $5 per hour. Use whole-hour rentals only. Taxes and deposits are not part of this classroom model.

Prepare to practice

Step 1. Read the source once for the main idea and again for exact evidence. The illustration is decorative and adds no answer facts.