

#### 4-27. IS IT PROPORTIONAL?

##### Your Task:

- Work with your team to read each new situation below.
  - Find the unit rate for each situation.
  - Decide whether you think the relationship described is **proportional** or **non-proportional** and justify your reasoning.
1. Carlos wants to buy some new video games. Each game he buys costs him \$36. Is the relationship between the number of games Carlos buys and the total price proportional?
  2. A single ticket to a concert costs \$56, while buying five tickets costs \$250. Is the relationship between the number of tickets bought and the total price proportional?
  3. Vo is four years older than his sister. Is the relationship between Vu and his sister's age proportional?
  4. Janna runs at a steady pace of 7 minutes per mile. Is the relationship between the number of miles she ran and the distance she covered proportional?
  5. Carl just bought a music player and plans to load 50 songs each week. Is the relationship between the number of weeks after Carl bought the music player and the number of songs on his player proportional?
  6. Anna has a new video game. It takes her five hours of playing the game to master level one. After so much time, Anna understands the game better and it only takes her three hours of playing the game to master level two. Is the number of hours played and the game level proportional?

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