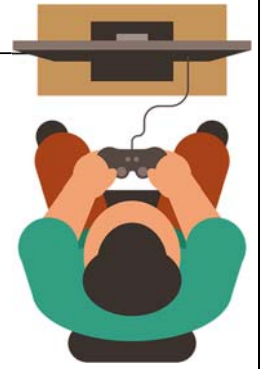# Video Game Life

Part A: Context-Rich Scenarios - Write an **equation** to model each problem. Clearly define what the variable represents.

1. Leveling Up in "Quest World"

Liam is playing *Quest World* and needs 2,000 XP to reach the next level. He currently has 1,450 XP after completing 5 missions that each gave the same number of XP. Write an equation to find how many XP he earned per mission.

2. Pro Gamer Tournament Earnings - Three players on an esports team shared a $1,800 prize. Each player earned the same base amount, but the team captain earned an extra $200 bonus. Write an equation to represent the total prize money.

Part B: Quick Gaming Scenarios - Write an **equation** for each.

3. A streamer's total viewers reached 2,400 after gaining 600 new viewers.

4. A gamer spent $90 on 3 new game passes.

5. A player earned 5 times as many coins in Round 2 as in Round 1, for a total of 900 coins.

6. A character's health dropped from 175 to 120 after taking damage.

7. A battle pass costs 8 times the price of one skin. If the pass costs 2,400 coins, find the price per skin.

8. A player scored 10,000 total points after adding a 1,200 bonus.

9. The number of gems doubled to 1,600 after a challenge.

10. A streamer donated $500 to charity after earning $2,000 - write an equation to find how much they kept.

11. A gamer completed 12 identical missions to earn 3,600 XP.

12. A player had 700 coins left after spending 350 on an upgrade.