



Social Media Life

Part A: Quick Scenarios - Write an **equation** to represent each situation.

1. Taylor gained 350 new followers this week and now has 1,250 followers.
2. A YouTuber posted 4 videos, each getting the same number of views. Together they had 12,000 views.
3. Mia's post got 600 likes, which is 150 fewer than her friend's.
4. A gamer earned twice as many points in Level 2 as in Level 1. Together, the two levels total 900 points.
5. A TikTok creator has 3 times as many followers as her Twitch channel, for a total of 8,000 followers.
6. An influencer spent \$240 total on 6 sponsored ads. Each ad cost the same amount.
7. Jordan's merch shop earned \$450 from hoodie sales at \$45 each.
8. A creator has 2 more brand deals this month than last month. Altogether, that's 7 deals.
9. A photographer edited 25 photos but deleted 5 bad ones. How many were good?
10. An influencer's total of 2,300 followers is made up of her Instagram and TikTok audiences. She has 1,400 on Instagram.

Part B: Deep Dive Scenarios (More Context) - Write an **equation** to model each situation carefully. Make sure to identify *what the variable represents*.

11. Sponsored Content Growth: Last month, a content creator earned \$800. This month she made \$200 more from sponsored videos and a few product promotions. Write an equation showing her new total income y in terms of last month's earnings x .

12. Follower Milestone: Ava is trying to reach 5,000 followers. She currently has 4,350. If she gains the same number of followers every day for 13 days, write an equation to show how many followers she needs to gain per day to reach her goal.

13. Post Engagement: A post has 240 total interactions, made up of likes and comments. The number of likes is 4 times the number of comments. Write an equation to model this situation.