8th Math: Day 3 Homework

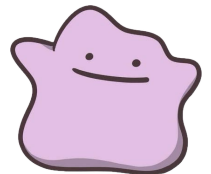Name: __ANSWER KEY__

Date: __June 20, 2024__

1. In a baking competition, Alice makes twice as many cupcakes as Bob. Bob bakes three cupcakes fewer than Carol, and Carol bakes five times as many cupcakes as David. If David bakes 10 cupcakes, how many cupcakes did Alice make?

Name	Alice	BOB	Carol	David
Operation	Bob × 2	Carol − 3	David × 5	
# of Cupcakes	47 × 2 = 94	50 − 3 = 47	10 × 5 = 50	10

Solution: __Alice made 94 cupcakes__

2. Emma swam twice as far as Alex. Alex swam 200 meters farther than Max. Max swam half the distance that Sophia swam. Sophia swam 800 meters. How far did Emma swim?

Name	Emma	Alex	Max	Sophia
Operation	Alex × 2	Max + 200	Sophia × $\frac{1}{2}$	
distance (m)	600 × 2 = 1200	400 + 200 = 600	800 · $\frac{1}{2}$ = 400	800

Solution: __Emma swam 1200 m__.