

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_ PD. \_\_\_\_\_

## Penny in a jar Problem

Heather is collecting pennies. She has 3 pennies already. Everyday she gets 4 more pennies. Fill in the table to show how many pennies Heather will have on days 1, 2, 3, 4, and 5.



How many pennies will Heather have on day 10?

---

How do you know?

---

## Catching Up or Not?

Sean and Luke are collecting marbles. Sean starts with 3 marbles and gets 3 marbles each day. Luke starts with 0 marbles and gets 4 marbles each day.

Who has the most marbles on day 2? \_\_\_\_\_

How do you know?

How many marbles will each boy have on day 20?

Luke: \_\_\_\_\_

Sean: \_\_\_\_\_

How do you know?

## **Dan and Nick (Intro to Lesson Study)**

Dan and his brother decide that they will save money to buy a present for their mom. There are 18 dimes in Danny's wallet and just 22 nickels in his younger brother's Nick's wallet. They decided to place one coin from each of their wallets in the piggy bank each morning until either wallet becomes empty. One day they looked into their wallets and found the brother's had more money than Dan's. How many days has it been since they started saving?