# The Penny Jar and a Constant Rate of Change

In some situations, change happens at a constant rate.

The Penny Jar problems in this unit are situations with a constant rate of change.

The rule for the Penny Jar shown below is:

Start with 3 pennies and add 5 pennies each round.

| START | Round 1 | Round 2 | Round 5 |
|-------|---------|---------|---------|
| Total: 3 pennies | Total: 8 pennies | Total: 13 pennies | Total: 28 pennies |

The rate of change is constant.

The same amount, 5 pennies, is added in each round.