

# Exemplars

Name: \_\_\_\_\_

P/S	R/P	Com	Con	Rep	A/Level

Cans and Bottles

## Cans and Bottles

Ten fifth graders are collecting cans and bottles to return to a store to earn money to buy some soccer balls for their classroom. The first day, the fifth graders collect twelve cans and five bottles. The second day, the fifth graders collect twenty-four cans and twelve bottles. On the third day, the fifth graders collect thirty-six cans and nineteen bottles. If this pattern continues, how many cans and how many bottles do the fifth graders collect on the tenth day? How many cans and how many bottles do the fifth graders collect on the thirtieth day? How many cans and how many bottles do the fifth graders collect on any day ( $d$ )? Show all your mathematical thinking.