

# Party Time

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## The Task

Andrew is planning a surprise birthday party for his dad. Sixty people will be at the party, and each table will seat 8 people. How many tables does Andrew need?

Andrew has 60 balloons to use for decorating the tables. If he wants every table to look exactly the same, how many balloons will be at each table?

## Big Ideas

- The role of remainders in division situations

### Standards of Learning for Grades 3-4-5

- 3.6 The student will represent division, using area, set and number line models
- 4.4c The student will divide whole numbers, finding quotients with and without remainders.
- 5.4 The student will create and solve single-step and multistep practical problems involving division with and without remainders of whole numbers.

### Standards of Learning for Grades 6-7-8

## Process Goals

- Problem Solving and Reasoning – Students will apply understanding of division to solve the problem and use logical reasoning to determine what to do with the remainder in each case.
- Connections and Representations – Students will recognize and use the connections between multiplication and division to solve the problems. They will use a variety of representations as they solve and communicate their thinking.
- Communication – Students will justify their findings and present their results to the class with precise mathematical language.

### **Related Task – Fun at the Fair**

Mrs. Hoffmann brings her 6 children to the fair. She buys a big box of 45 mini-donuts for the children to share equally. How many mini-donuts will each child get?

The children are ready to go on the fair rides! Mrs. Hoffmann buys a bag of 45 ride tokens for the children to share equally. If each ride costs one token, how many rides can each child enjoy?

### **Related Task – Bundles of Books**

Nate's grandma bought him 4 new books to read. She spent \$38, and each book cost the same amount of money. Nate wants to return one of the books to the store. How much money will he get back?

Nate is a fast reader! He can read 4 books in one hour. If he has 38 books to read, how many hours will it take him to read them all?