11.4

Connection

In Section 1 (Teaching the Lesson), students solve division problems involving **equal sharing and equal grouping** using Digi Blocks.

Materials for pairs of students

9	small paper plates
50	single blocks
•	blank paper

Lesson

• Present an equal grouping problem:

Emma has 24 stickers for her sticker book. She puts 6 stickers on a page. How many pages does she fill?

Have students model the problem with blocks. Students will put 6 blocks at a time on each plate until they run out of blocks. They count the number of plates (pages) they fill and name the answer, 4 pages of stickers.

Have students sketch their arrangement of blocks.

• Present a sharing problem:

Eddie has a box of 24 mints. He wants to give each of his 6 friends the same number of mints. How many should each of his 6 friends get?

Students will set up 6 plates, then deal out one or more blocks at a time until there are none left. Students name the answer, 4 mints for each friend. Again, have students sketch their blocks.

• Compare drawings for each problem. They both show 24 ÷ 6, although students modeled them in different ways.

• Have student partners work together to model, sketch their models, solve, and discuss problems in the lesson.