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Key

**C** Challenge

M Medium

**B** Basic

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Unit 1

Study the problem. Underline the parts that you think make it a particularly good answer and a helpful example.

## Example

- Laura has 2 quilts. The quilts are made of cloth squares sewn together in an array.
- The red quilt has 24 squares, with 4 squares in each row.
- The blue quilt has 30 squares, with 6 squares in each row.
- Which quilt has more rows of squares?

Use pictures, words, or numbers to explain how you got your answer.

Since the rows are all equal groups, I can use division to find out how many rows each guilt has.

To find out how many rows the red quilt has I found  $24 \div 4$ . I know  $4 \times 6 = 24$ , so  $24 \div 4 = 6$ . The red guilt has 6 rows.



Name<sup>.</sup>

Answers will vary. Note whether students incorporate

answer on the next page.

the features they chose in their

- I checked my math by drawing a picture of a quilt with 4 squares in each row. I drew 6 rows, and that made 24 squares.
- Then I found 30 ÷ 6 to find out how many rows are in the blue quilt. I know  $6 \times 5 = 30$ , so  $30 \div 6 = 5$ . The blue quilt has 5 rows.



I checked my math by drawing rows of 6 squares. When I had drawn 5 rows, I had 30 squares.

Since the red quilt has 6 rows and the blue quilt has only 5 rows, the red quilt has more rows.





## Solve the problem. Use what you learned from the example.

John is setting up chairs at tables for a party. The round tables will have 6 chairs each, with 18 chairs altogether. The square tables will have 4 chairs each, with 20 chairs altogether. Are there more round tables or square tables?

Use pictures, words, or numbers to explain how you got your answer.

Since the chairs at the round tables are in equal groups of 6, I can use division to find out how many round tables there are.

I can divide the total number of chairs by how many in each group to find out the number of groups. For the round tables, I need to find  $18 \div 6.1$  know  $3 \times 6 = 18$ . So  $18 \div 6 = 3$ . There are 3 round tables.

I checked my math by drawing a picture of round tables with 6 chairs each. I made an X for each chair. After I drew 3 tables, I had 18 chairs.

Then I found 20 ÷ 4 to find out how many square tables there are. I know  $4 \times 5 = 20$ , so  $20 \div 4 = 5$ . There are 5 square tables.

I checked this with a picture of square tables with 4 chairs each. After I drew 5 tables, I had 20 chairs.

Since there are 3 round tables and 5 square tables, there are more square tables than round tables.

Lesson 4 Understand the Meaning of Division

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Did you . . . · use numbers to explain? · use words to explain? use pictures to explain? • answerthe question?

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and

Problem