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Unit 2, Lesson 8: Comparing Relationships with Equations

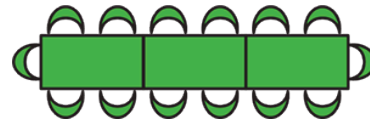
Andre is setting up rectangular tables for a party. He can fit 6 chairs around a single table. Andre lines up 10 tables end-to-end and tries to fit 60 chairs around them, but he is surprised when he cannot fit them all.

1. Write an equation for the relationship between the number of chairs c and the number of tables t when:

a. the tables are apart from each other:



b. the tables are placed end-to-end:



2. Is the first relationship proportional? Explain how you know.

3. Is the second relationship proportional? Explain how you know.