



# Build Products with Factor Strategies

**TAKS Objectives 2, 6**  
**TEKS 5.3D, 5.5A, 5.5B**

## Solve.

1. For a recital, the piano instructor needs to arrange 9 chairs in equal rows. List all the different ways the chairs can be arranged.

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3. Cal has a collection of 18 dominos. List all the different ways the dominoes can be arranged.

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5. Maggie is organizing her photos from her vacation. How many different ways can Maggie arrange her photos? List them.

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2. Ruth has 25 DVDs in her collection. List all the different ways the DVDs can be arranged.

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4. There are 16 packs of sports cards for sale at a card shop. List all the different ways the sports cards can be arranged.

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6. Miguel has 42 pennies in a container. He spills them onto the floor. How many different ways can Miguel arrange his pennies? List them.

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