

# Problem Solving: Guess and Check

**TAKS Objectives 1, 6**  
**TEKS 4.14C, 4.14B, 4.15A**

Use Guess and Check to solve the puzzles.

1. Two numbers have a product of 100. Their sum is 25. What are the two numbers?

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3. Two numbers have a product of 945. When the two numbers are added, the sum is 66. What are the two numbers?

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5. Two numbers have a difference of 47, a sum of 53, and a product of 150. What are the two numbers?

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2. The difference between two numbers is 12. One of them is twice the other. What are the two numbers?

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4. Two numbers add up to 80. One of them is four times the other. What are the two numbers?

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6. Two numbers have a product of 282, a difference of 41, and a sum of 53. What are the two numbers?

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