Problem-Solving Strategy: Guess and Check

Use Guess and Check to solve each problem.

1. A bicycle shop has bicycles with 2 wheels and tricycles with 3 wheels. They have 15 different cycles for sale. The 15 cycles have 34 wheels. How many bicycles and tricycles does the shop have for sale?

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2. The product of two numbers is 48. The difference between the numbers is 8. What are the numbers?

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3. A museum cashier collected $78 in fees. He collected only $5 and $1 bills. He collected 18 bills in all. How many of each kind of bill did the cashier collect?

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4. There are 13 more fourth-graders than third-graders in Burlington School. Altogether there are 91 third- and fourth-graders. How many fourth-graders are there?

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5. David’s novel has 12 chapters. Some of the chapters have 25 pages and some of the chapters have 37 pages. How many of each size chapter does the novel have if the novel is 360 pages long?

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