

# Problem Solving: Writing to Explain

1. Look at the numbers below.  
13, 15, 19, 25, ...

a. Describe the pattern.

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b. Explain how you can find the next two numbers. What are the next two numbers?

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3. **Look for Patterns** The table below shows the amount of money that Louise earns in allowance each week.

a. Complete the table.

**Louise's Allowance**

| Number of Weeks | Allowance |
|-----------------|-----------|
| 1               | \$8       |
| 2               | \$16      |
| 3               | \$24      |
| 4               |           |
| 5               |           |

b. How did the table help you to find the pattern?

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2. Mr. Wilson is setting up volleyball teams. There are 6 players on a team.

a. Complete the table below.

|         |   |    |    |   |   |
|---------|---|----|----|---|---|
| Teams   | 1 | 2  | 3  | 4 | 5 |
| Players | 6 | 12 | 18 |   |   |

b. Explain how the number of players changes as the number of teams changes.

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4. Diana is training to run a race.

a. Complete the table for Diana's first week of training.

**Diana's Training Schedule**

| Day       | Minutes |
|-----------|---------|
| Monday    | 15      |
| Tuesday   | 20      |
| Wednesday | 25      |
| Thursday  |         |
| Friday    |         |

b. If she continues the pattern, for how many minutes will Diana run on Saturday?

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