

## Exploring Rules

NCTM Standards 1, 2, 6, 7, 8, 9

1 Complete the Find a Rule (FAR) card set.

| A | FRONT | BACK |
|---|-------|------|
|   | 5     | 10   |

| B | FRONT | BACK |
|---|-------|------|
|   | 6     | 11   |

| C | FRONT | BACK |
|---|-------|------|
|   | 1     | 6    |

| D | FRONT | BACK |
|---|-------|------|
|   | 20    |      |

| E | FRONT | BACK |
|---|-------|------|
|   |       | 55   |

| F | FRONT | BACK |
|---|-------|------|
|   | 0     |      |

2 Complete the FAR card set.

| A | FRONT    | BACK |
|---|----------|------|
|   | △△<br>△△ | 1    |


| B | FRONT            | BACK |
|---|------------------|------|
|   | △△△<br>△△△<br>△△ | 5    |

| C | FRONT      | BACK |
|---|------------|------|
|   | △△△<br>△△△ | 2    |

| D | FRONT          | BACK |
|---|----------------|------|
|   | △△<br>△△<br>△△ |      |

| E | FRONT | BACK |
|---|-------|------|
|   |       | 0    |

| F | FRONT             | BACK |
|---|-------------------|------|
|   | △△△<br>△△△<br>△△△ |      |


 3 Look at the FAR cards from either Problem 1 or Problem 2. Write a rule for the cards.

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- 4 These FAR cards show the number of tricycles and wheels. Complete the card with missing number.

**A**

| FRONT | BACK |
|-------|------|
| 1     | 3    |

**B**

| FRONT | BACK |
|-------|------|
| 5     | 15   |

**C**

| FRONT | BACK |
|-------|------|
| 3     | 9    |

**D**

| FRONT | BACK |
|-------|------|
| 2     | 6    |

**E**

| FRONT | BACK |
|-------|------|
| 4     |      |

**F**

| FRONT | BACK |
|-------|------|
| 6     | 18   |

- 5 Make a table to show the data on the cards.

- 6 Complete the sentence.

The front shows the number of \_\_\_\_\_.

The back shows the number of \_\_\_\_\_.



- 7 **Challenge** If you know the number of tricycles, how can you find the number of wheels?

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