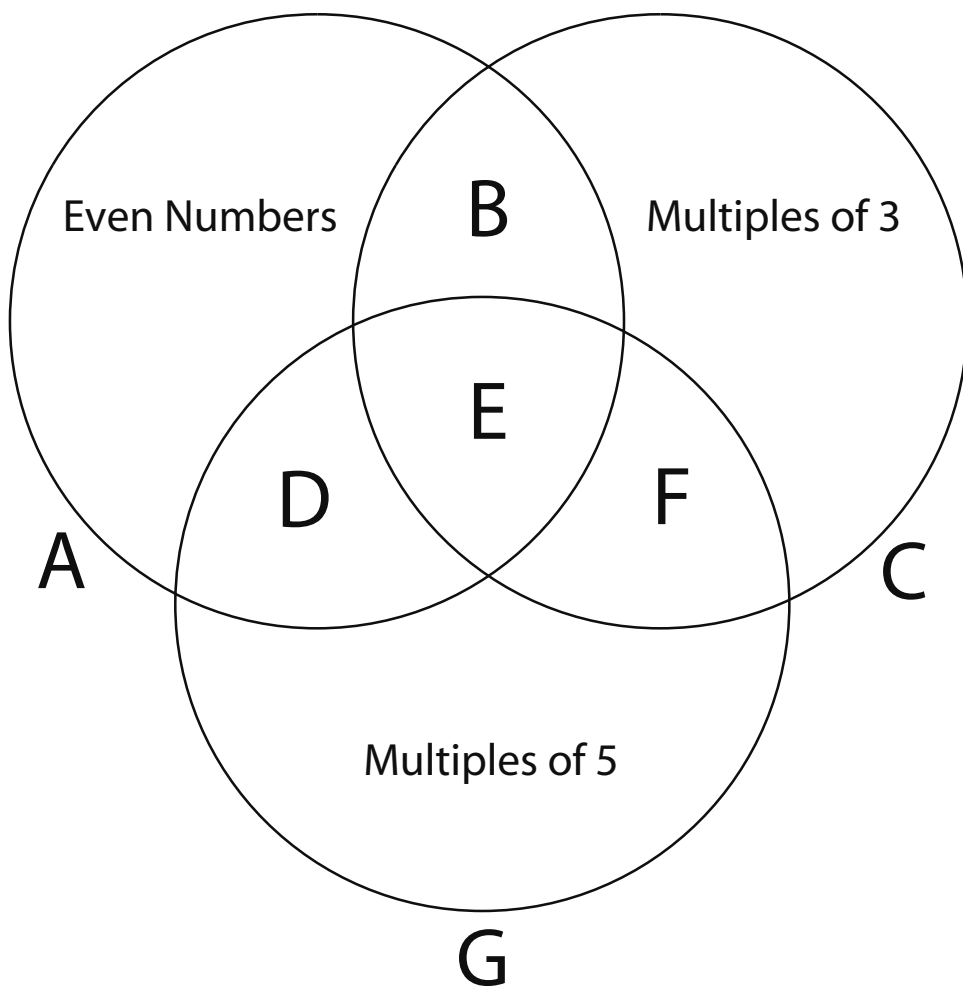


Name \_\_\_\_\_ Date \_\_\_\_\_

**Description of Investigation and Student Report**  
**Be an Investigator**

Look at the Venn diagram and the statements that go with it. Fill in the blanks in the statements. Then make a Venn diagram, write statements for it with blanks, and tell how the blanks should be filled in.



**Statements**

1. If a number is even and a multiple of three but not a multiple of five, it should go in Region \_\_\_\_\_.

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**Be an Investigator**  
**Student Report**

2. If a number is even and not a multiple of three or five, it should go in Region \_\_\_\_\_.

3. If a number is even, a multiple of three, and a multiple of five, it should go in Region \_\_\_\_\_.

4. If a number is odd and a multiple of three and five, it should go in Region \_\_\_\_\_.

5. If a number is odd and a multiple of five but not three, it should go in Region \_\_\_\_\_.

This is how I filled in the statements about the Venn diagram.

1. If a number is even and a multiple of three but not a multiple of five, it should go in Region \_\_\_\_\_.

2. If a number is even and not a multiple of three or five, it should go in Region \_\_\_\_\_.

3. If a number is even, a multiple of three, and a multiple of five, it should go in Region \_\_\_\_\_.

4. If a number is odd and a multiple of three and five, it should go in Region \_\_\_\_\_.

5. If a number is odd and a multiple of five but not three, it should go in Region \_\_\_\_\_.

This is my Venn diagram and statements to go with it:

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