

Name \_\_\_\_\_

Date \_\_\_\_\_

## Math Rules and Patterns - Step-by-Step Lesson

**Lesson 1** Write the number that is missing from the number patterns.

1. 4 , \_\_\_\_\_ , 16 , 22 , \_\_\_\_\_ , 34.

2. 12 , \_\_\_\_\_ , 22 , \_\_\_\_\_ , 32 , 37 , \_\_\_\_\_.

### Explanation:

Step 1) First see what is being asked.

Step 2) We have to write the missing numbers by finding the difference.

Step 3) There is a difference of 6 in the numbers.

To find the difference we have to subtract the bigger number from the smaller number that are written together i.e. without a gap.

$$22 - 16 = 6$$

$$\text{Then } 4 + 6 = 10 \quad 10 + 6 = 16 \quad 16 + 6 = 22 \quad 22 + 6 = 28$$

$$28 + 6 = 34.$$

4 , 10 , 16 , 22 , 28 , 34.

2. There is a difference of 5 in the numbers.

To find the difference we have to subtract the bigger number from the smaller number that are written together i.e. without gap.

$$37 - 32 = 5$$

$$\text{Then } 12 + 5 = 17 \quad 17 + 5 = 22 \quad 22 + 5 = 27 \quad 27 + 5 = 32$$

$$32 + 5 = 37.$$

12 , 17 , 22 , 27 , 32 , 37 , 42.

