Name _____   Date _____
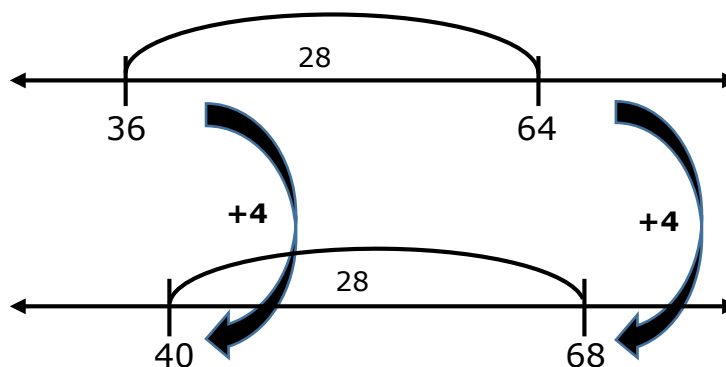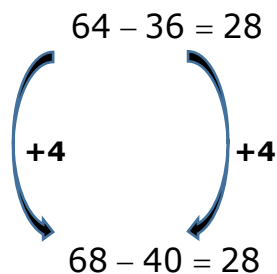
Compensation with Subtraction

A strategy for subtracting is to use **compensation** to make an equivalent subtraction problem. In the example, compensation is used by adding 4 to 64 and 4 to 36 to avoid regrouping.

$$64 - 36 = 28$$

$$+4 \qquad +4$$

$$68 - 40 = 28$$

In the example, the first number in the problem is increased by 4. The location of the minuend (first number) moves 4 units to the right on the number line. Then the subtrahend (second number) is increased by 4 to compensate for the increase in the minuend.

The amount added to the minuend must be the same amount added to the subtrahend to keep the subtraction problems equivalent.

Use compensation to make an equivalent expression. Find the difference between the two numbers.

1 $73 - 46$ **2** $56 - 28$

3 $65 - 29$ **4** $82 - 47$