

# Puzzle of the Week

## *Fill in the Blanks – 1*

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Using the numbers from 1 to 5 at most once, this equation has three solutions.

$$\square - \square = \square - \square$$

1   2   3   4   5

The three solutions are:

$$\boxed{3} - \boxed{1} = \boxed{4} - \boxed{2}$$

$$\boxed{4} - \boxed{2} = \boxed{5} - \boxed{3}$$

$$\boxed{4} - \boxed{1} = \boxed{5} - \boxed{2}$$

**THE CHALLENGE:** Use the numbers from 1 to 6 at most once to fill in these blanks.

$$\square + \square = \square - \square$$

**1   2   3   4   5   6**

**EXPLORATION:** Explore other number ranges. What happens if you use 1 to 5, 1 to 7, or 1 to 8? How do things change if you use 0 to 6?