

# Puzzle of the Week

## *Moving Digits – 1*

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Any multiple of 10 has the property that if we remove the ones digit, the new number evenly divides the original number. Take 50 for example. If you remove the 0 you get 5, and 5 evenly divides 50.

**THE CHALLENGE:** Of the two-digit numbers that are not multiples of 10, which ones have the property that if their ones digit is deleted, the new number evenly divides the original number?

## When does A divide AB?

**EXPLORATION:** Other than multiples of 10, investigate why there are no numbers larger than 100 that have this property.