ANSWERS

Multiplying by 6 Using Patterns 🕶

Unlike with other numbers, multiplying *even* numbers by 6 results in a recognizable pattern. For example:

$$6 \times 2 = 12$$

$$6 \times 4 = 24$$

$$6 \times 6 = 36$$

$$6 \times 8 = 48$$

You should notice that the number that is multiplied by six (the second number in the equations above) is the same as the last digit of the answer. For example, if you multiply 6 by 2, the last digit of the answer is also 2. (The answer is 12.) This happens every time you multiply six by an even number. (This doesn't work for *odd* numbers.)

Write the correct number on the blank spaces.

$$1.6 \times 10 = 60$$

Challenge questions:

$$8.6 \times 74 = 444$$