Otter Powers-of-Ten Patterns

Grade 5 | Place value | Multiplication patterns | Color

Learner: _____ Date: _____

Use place value to multiply or divide by 10, 100, and 1,000. Track how each digit's value changes.

TRY IT

Complete all six prompts. You may write, point, explain aloud, or use a scribe.

1 **34 x 10 = ___**

_____

2 **34 x 100 = ___**

_____

3 **6,200 / 100 = ___**

_____

4 **5.7 x 10 = ___**

_____

5 **0.48 x 100 = ___**

_____

6 **Explain how 36 and 3,600 are related.**

_____



Grown-up check: 340; 3,400; 62; 57; 48; 3,600 is 36 times 100, so each digit has 100 times its original value.

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