# Blueberry Decimal Place-Value Shift

Grade 5 | Decimals | Multiply by powers of ten | Color

Learner: _____ Date: _____

**When multiplying by 10 or 100, each digit moves to a place with 10 or 100 times its value. Use place value, not a memorized decimal-point trick.**

## TRY IT

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

**1** **3.7 x 10 = _____**

_____

**2** **0.46 x 100 = _____**

_____

**3** **12.05 x 10 = _____**

_____

**4** **5.2 x 100 = _____**

_____

**5** **____ x 10 = 84**

_____

**6** **Explain what happens to each digit's value.**

_____



**Grown-up check: 37; 46; 120.5; 520; 8.4; each digit becomes 10 times as valuable for x10 or 100 times as valuable for x100.**



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