Year 5 Maths Homework, 12th November 2026

Moving Digits: Multiplying and Dividing by 10, 100 and 1,000



LO: To learn to multiply and divide 10, 100 and 1000

Place Value Chart



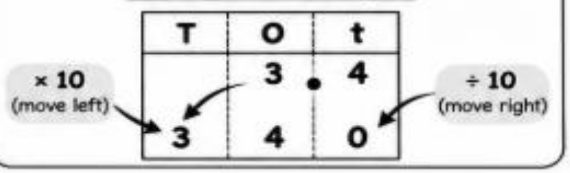
The Method Use a place value chart to move the digits.

Multiplying (digits move left)		Dividing (digits move right)	
× 10	→ 34 × 10 = **340**	÷ 10	→ 340 ÷ 10 = **34**
× 100	→ 34 × 100 = **3,400**	÷ 100	→ 3,400 ÷ 100 = **34**
× 1,000	→ 34 × 1,000 = **34,000**	÷ 1,000	→ 34,000 ÷ 1,000 = **34**

The Golden Rule: We don't just "add zeros"!
When we multiply or divide by 10, 100 or 1,000, the digits move along the place value chart.

- **Multiply:** Digits move to the **left** (numbers get bigger).
- **Divide:** Digits move to the **right** (numbers get smaller).

Place Value Example



Worked Examples

27 × 10 = 270 | 56 ÷ 10 = 5.6 | 4.5 × 100 = 450 | 89 ÷ 100 = 0.89

Practice Use what you know about moving digits to answer the questions below.

1. **Complete these calculations.**
   a) 46 × 10 = _____ b) 72 × 100 = _____ c) 360 ÷ 10 = _____
   d) 4.8 × 10 = _____ e) 7.3 × 100 = _____ f) 56 ÷ 100 = _____
2. **Fill in the missing operations** (× 10 or ÷ 10 or × 100 or ÷ 100) **to make the statements correct.**
   a) 6.4 _____ = 64 b) 580 _____ = 5.8 c) 0.73 _____ = 73
3. **Complete this two-step chain.**
   23 × 10 = _____ , then ÷ 100 = _____
4. **Here are some numbers. Multiply or divide each one by 10 or 100 as shown.**
   a) 9.6 × 10 = _____ b) 340 ÷ 10 = _____ c) 1.25 × 100 = _____

Challenge

Explain how you know which way the digits move when you multiply or divide by 10 or 100. Use an example to support your answer.

_____

_____



Times Tables Rock Stars! TTRS ☺

Have you completed your 15 minute jam session yet?