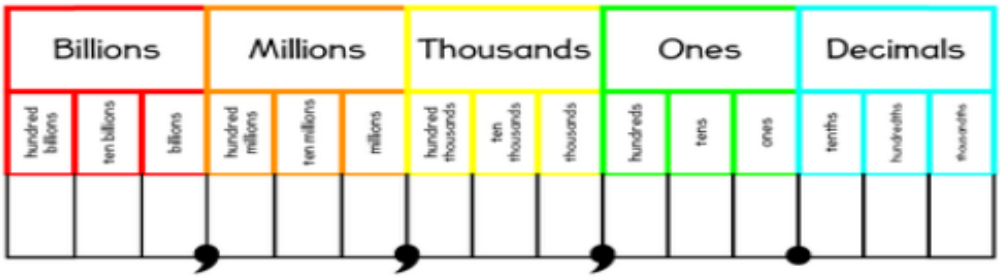
Year 5 Maths Homework, 12th November 2026

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.

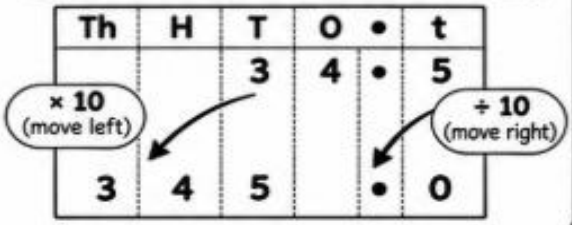
Multiplying (digits move left)		**Dividing** (digits move right)	
× 10	→ 34 × 10 = **340**	÷ 10	→ 340 ÷ 10 = **34**
× 100	→ 34 × 100 = **3,400**	÷ 100	→ 3,400 ÷ 100 = **34**
× 1,000	→ 34 × 1,000 = **34,000**	÷ 1,000	→ 34,000 ÷ 1,000 = **34**

The Golden Rule: We don't 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).

The decimal point **does not** move when multiplying or dividing by 10, 100 or 1,000.

Place Value Example (with a decimal)



Quick Knowledge Check

1. Complete these calculations.
   A) 56 × 10 = _____ B) 56 × 100 = _____ C) 56 × 1,000 = _____
   D) 7,200 ÷ 10 = _____ E) 7,200 ÷ 100 = _____ F) 7,200 ÷ 1,000 = _____
2. Work out the following with decimals.
   A) 4.6 × 10 = _____ B) 4.6 × 100 = _____ C) 4.6 ÷ 10 = _____
   D) 38.7 ÷ 100 = _____ E) 12.9 × 1,000 = _____ F) 8.05 × 10 = _____
3. Use two steps to complete the calculations.
   A) 28 × 10, then ÷ 100 = _____ B) 7.5 × 100, then ÷ 10 = _____
4. Fill in the missing numbers.
   A) 3.2 × _____ = 320 B) _____ ÷ 100 = 5.6 C) 47.1 × _____ = 471
   D) _____ ÷ 10 = 9.3 E) 0.8 × _____ = 800 F) 6,400 ÷ _____ = 6.4

Reflection Time

Explain how the digits move when you multiply and divide by 10, 100 and 1,000.
Use one example of multiplication and one example of division to support your explanation.



Times Tables Rock Stars! TTRS ☺

Have you completed your 15 minute jam session yet?