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.

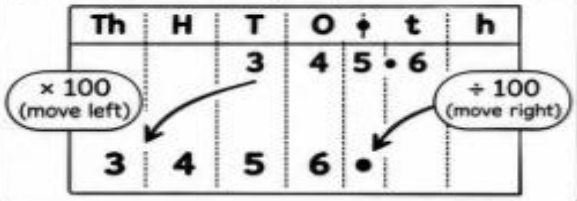
Multiplying (digits move left)		Dividing (digits move right)	
× 10 →	34 × 10 = **340**	÷ 10 →	340 ÷ 10 = **34**
× 100 →	34 × 100 = **3,400**	÷ 100 →	3,400 ÷ 100 = **34**
× 1,000 →	34 × 1,000 = **34,000**	÷ 1,000 →	34,000 ÷ 1,000 = **34**

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).

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. Calculate.

a) 6.74 × 10 = _____
b) 0.905 × 100 = _____
c) 18.36 × 1,000 = _____
d) 945.2 ÷ 10 = _____
e) 7,560 ÷ 100 = _____
f) 12.9 ÷ 1,000 = _____

2. Fill in the missing numbers.

a) 4.67 × 100 = _____
b) _____ ÷ 1,000 = 0.058
c) 93.4 ÷ _____ = 0.934
d) _____ × 10 = 250.6

3. Insert the missing operation (× or ÷) and the **value** (10, 100 or 1,000) to make each statement **correct.**

a) 3.48 _____ _____ = 34.8
b) 725 _____ _____ = 0.725
c) 0.96 _____ _____ = 96
d) 6,310 _____ _____ = 63.1

4. Error Spotting.

Each calculation has a mistake. Identify and correct it.

a) 7.5 × 100 = 75 _____
b) 48.6 ÷ 10 = 4.86 _____
c) 0.39 × 1,000 = 3.9 _____
d) 5,200 ÷ 100 = 520 _____

5. Multi-step Reasoning.

a) A number is 3.47. It is first multiplied by 100 and then divided by 10. What is the final number?

_____

b) I think of a number, multiply it by 1,000, then divide by 100. My answer is 56. What was my starting number?

_____

6. Explanation Challenge.

A classmate says, "Multiplying by 100 and then dividing by 10 is the same as multiplying by 10."
Do you agree? Explain your reasoning clearly, using place value and an example to support your answer.

_____
_____
_____
_____
_____



Times Tables Rock Stars! TTRS ☺

Have you completed your 15 minute jam session yet?