

MULTIPLYING DECIMALS REFERENCE

Grade 5 Mathematics

Step 1: Ignore

Ignore the decimal points and multiply the numbers as if they were whole numbers.

Step 2: Count

Count the total number of digits behind the decimals in both factors.

Step 3: Place

Starting from the right of your product, move the decimal point the same number of places.

Step 4: Check

Estimate to ensure your answer makes sense (e.g., 0.5×10 should be near 5).

Problem	Count Places	Whole Number Work	Final Product
1.2×0.4	$1 + 1 = 2$	$12 \times 4 = 48$	0.48
0.15×0.3	$2 + 1 = 3$	$15 \times 3 = 45$	0.045
2.5×1.1	$1 + 1 = 2$	$25 \times 11 = 275$	2.75

Key Rule: The number of decimal places in the product is the sum of the decimal places in the factors.