

2.5 Worksheet

HOMWORK

Evaluate each expression for $m = 0.5$, $n = 5$, and $p = 50$.
Multiply before you add or subtract.

1. mn

2. $14.56 \cdot p$

3. $n \cdot 4$

4. $8.2 \cdot m$

5. mp

6. $mp - 6$

Problem Solving

7. Some insects live in very large groups. Let n equal the number of termite nests that a scientist expects to find in his research zone. Use the table to write an expression that shows the approximate number of termites in n nests.

Type of Insect	Approximate Number in a Nest or Swarm
Ant	630,000
Termite	3 million
Locust	1 billion

Once in the zone, the scientist counts 9 termite nests. Evaluate your expression to determine the approximate number of termites in the zone.

8. Suppose x equals the number of ant nests in a scientist's research zone. Evaluate $630,000x$ when $x = 3$. Use the table to decide what your answer means in the context of the problem.

9. A class collects and recycles about 200 cans each week. Write an expression that shows how many cans the class collects after w weeks.

Evaluate your expression when $w = 15$. What does your answer mean in the context of the problem?

Write About It

10. Describe how you would evaluate the expression $2c$ when $c = 12$. You do not have to do any computation, just use words to describe your process.