

## Pressure Problems

**Definition:** A pressure problem always involves the pressure formula  $P = \frac{F}{A}$ . You will have either mass, force, area, or pressure given. You will be asked to find one of the other two.

1. Identify the pressure problem to which you are given. Then solve the problem.
2. Top: Study on solving word problems in mathematics and the sciences.
3. Use the correct formula when solving word problems.
4. Write out the answers to the word problems in complete sentences.
5. Use appropriate units.
6. Write down the steps that you take.
7. Show your thinking for the steps.
8. Write down the answers to the word problems.

9. Write the pressure problem that you will solve using pressure.

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|--------------|--------------|----------------|
| a. I _____   | b. the _____ | c. on _____    |
| d. per _____ | e. in _____  | f. along _____ |
| g. to _____  |              |                |

10. Show three pairs of pressure formulas that solve. Show each a student using each pair.

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_