

Pre-Algebra Worksheet 1 Key

Write each phrase as an algebraic expression and each sentence as an algebraic equation.

- eleven less than three times a number $3n - 11$
- fifty divided by two times a number $\frac{50}{2n}$
- Three times a number is twenty-one. $3n = 21$
- four times a number increased by seven $4n + 7$
- A number increased by seventeen is twenty-two. $n + 17 = 22$
- Twice a number is seventy-six. $2n = 76$
- Twelve less than a number is thirty. $n - 12 = 30$
- Six is fifteen less than three times a number. $3n - 15 = 6$
- sixty divided by four times a number $\frac{60}{4n}$
- twice a number, decreased by nineteen $2n - 19$
- Eighty-one is three times a number. $81 = 3n$
- Which of the above problems are algebraic phrases? **Problems 1, 2, 4, 9 and 10**
- Which of the above problems are algebraic equations? **Problems 3, 5, 6, 7, 8 and 11**
- Write your own algebraic expression in words. **Answers will vary.**
- Write your expression from #14 using mathematical symbols. **Answers will vary.**
- Write your own algebraic equation in words. **Answers will vary.**
- Write your equation from #16 using mathematical symbols. **Answers will vary.**