

## CLASSWORK PROBLEMS

### TRANSLATE WORDS INTO ALGEBRAIC EXPRESSIONS/EQUATIONS

**DIRECTIONS:**

- Write money in proper form.
- Reduce fractions/ratios to lowest terms.
- Round decimals to nearest cent/hundredth.

**DO NOT USE A CALCULATOR!!!**

**Write each sentence as an algebraic expression or equation. Do Not Solve.**

- 1) The sum of six and a number
- 2) The difference of eight and one-half a number
- 3) The product of a number and three-fourths
- 4) The quotient of a number and fifteen
- 5) Five less than three-fifths of a number
- 6) The product of three-fourths of a number and eleven
- 7) The quotient of three less than a number and four
- 8) One more than eight-ninths of a number
- 9) Twice the sum of one-third and a number
- 10) Two-sevenths of a number, decreased by one-seventh of the number
- 11) Thirteen plus one-half of a number is three less than the number.
- 12) The sum of twenty and twice a number gives the same result as one-half the number.
- 13) The difference of ten times a number, six times the number, and four times the number is five.
- 14) The quotient of a number and  $-4$ , increased by twelve, is twenty-one.
- 15) Three-fourths the sum of a number and its reciprocal is thirty-three.
- 16) The product of one-fifth a number, two-fifths the number, and three-fifths the number is fifty.
- 17) Forty-five less than three times a number is equal to one-half the number.
- 18) Two-ninths of a number, divided by two is the same result as five more than the number.