

NAME _____

DATE _____ **KEY** _____

LESSON 17: EQUATIONS

REMEMBER, you're using the forms:

$$\begin{array}{l} X + X \\ 2X \end{array}$$

$$\begin{array}{l} X + X + X \\ 3X \end{array}$$

▶▶ PROBLEM SET:

Express each of the following in algebraic form:

1. The sound of 2 drums = $X + X$
2. The sound of 2 drums (different notation) = $2X$
3. The sound of 3 drums in 2 different notations = $X + X + X$ or $=3X$
4. The length of 2 football fields in 2 different notations = $F + F$ or $=2F$
5. The weight of 3 equal sized apples in 2 different notations = $A + A + A$ or $=3A$
6. The time of 6 classes = $6t$
7. The number of nickels in 4 dimes = $2N + 2N + 2N + 2N$
8. The number of nickels in X dimes = $X*(2N)$

Express the size of each of the following objects in algebraic notation:

9. The combined length of 2 number lines that are each X inches long = $X + X$
10. The combined height of 3 buildings that are each Y feet tall = $3Y$
11. – 15: What are five examples that adhere to this form of expression? **Answers will vary**