

NAME _____

DATE _____ KEY

LESSON 18: EQUATIONS

REMEMBER, you're using the forms:

$$X + Y$$

$$2X + 2Y$$

$$2 * (X + Y)$$

▶▶ PROBLEM SET:

Express each of the following in algebraic form:

1. The sound of a drum and the sound of a flute = $D + F$
2. The sound of 2 drums and the sound of 2 flutes = $2D + 2F$
3. The sound of 2 drums and the sound of 2 flutes (different notation) = $2D + 2F$ OR $D + D + F + F$
4. The sound of 3 drums and the sound of 3 flutes (2 different notations) = $3D + 3F$ OR $D + D + D + F + F + F$
5. The weight of 3 apples and the weight of 3 oranges (2 different notations) = $3O + 3A$ OR $O + O + O + A + A + A$
6. The number of math classes in one week plus the number of English classes in one week = $5 * (E + M)$
7. The number of nickels in quarter plus the number of nickels in a dime = $Q + D$
8. The number of nickels in 2 quarters plus the number of nickels in 2 dimes = $2 * (Q + D)$
9. The length of 2 different sized buildings = $X + Y$
10. The price of 2 oranges and the price 2 apples = $2O + 2A$
- 11 – 15: What are five examples that adhere to this form of expression? **Answers will vary**