

## Handout 2: Equal, The Sequal

1. Which property allows us to claim that if two fives are worth a ten, then a ten is worth two fives?
2.  $A + C = B + C$ . Which statements would make this true?
3. Which property tells us that a wrist-watch is a wristwatch, regardless of which wrist you watch it on?
4.  $A = B$  and  $C = D$ . Which properties allow us to say  $A \times C = B \times D$ ?
5. A can of Coke costs 25 cents at a vending machine. It would prefer a quarter, but will also accept five nickels or two dimes and a nickel, since they're all worth the same. Which property does this demonstrate?
6. Which properties of equality would you use to solve for  $g$  in the equation  $\frac{48}{g} = 6$ ?
7.  $A + \frac{B}{C} = D + \frac{E}{F}$ . Which statements would make this true?
8. Which property allows us to say that if  $\text{Red} + \text{Yellow} = \text{Orange}$ , then  $\text{Orange} = \text{Red} + \text{Yellow}$ ?
9. If  $\text{John Locke} = \text{Man in Black}$  and  $\text{Man in Black} = \text{Smoke Monster}$ , then  $\text{John Locke} = \text{Smoke Monster}$ . Which property does this exemplify?
10. Which property lets us simplify the equation  $3(x - 2) = 3x - 6$ ?