

## Doublets (or Word Identities or Word Ladders)

In order to do many of the operations and processes in mathematics, we need to follow certain rules. There are rules for addition, subtraction, multiplication, division, decimals, solving equations, proving trig identities, etc.

RULE for Word Ladders: Change ONLY one letter at a time and form a new word at each step.

### Animal Ladders

- #1 Change DOG to CAT in 3 steps
- #2 Change CATS to Mice in 4 steps
- #3 Change BULL to BEAR in 4 steps
- #4 Change PONY to COLT in 5 steps
- #5 Change FROG to TOAD in 7 steps
- #6 Change LION to LAMB in 7 steps
- #7 Change FAWN to DEER in 7 steps

### Body Part Ladders

- #8 Change HEAD to TOES in 4 steps
- #9 Change HAND to FOOT in 5 steps
- #10 Change NOSE to CHIN in 6 steps
- #11 Change HAIR to NECK in 5 steps
- #12 Change KNEE to SHIN in 7 steps