

# SHUFFLE THOSE CARDS PARTNER

Name \_\_\_\_\_

Task 1. Sort a deck of cards into 2 equal stacks, one red, one black. (If jokers are included in your deck, set them aside and do not use them.) How many of each do you find?

Red \_\_\_\_\_ Black \_\_\_\_\_ Total \_\_\_\_\_

Task 2. Sort the cards again by suits, hearts, diamonds, spades and then clubs.

How many of each do you find? Hearts \_\_\_\_\_ Diamonds \_\_\_\_\_

Spades \_\_\_\_\_ Clubs \_\_\_\_\_ Total \_\_\_\_\_

Task 3. Sort the cards into two stacks; "face cards" and number cards. How many of each do you find? Face \_\_\_\_\_ Number \_\_\_\_\_ Total \_\_\_\_\_

Task 4. Sort the number cards into two stacks, even and odd. How many of each do you find? Even \_\_\_\_\_ Odd \_\_\_\_\_ Total \_\_\_\_\_

Task 5. Sort the cards into stacks of the SAME card. How many stacks do you have? \_\_\_\_\_ How many of each card do you find? \_\_\_\_\_

Task 6.

- What is the fractional representation of red cards to the entire deck? \_\_\_\_\_
- What is the fractional representation of hearts to the entire deck? \_\_\_\_\_
- What is the fractional representation of face cards to the entire deck? \_\_\_\_\_
- What is the fractional representation of even cards to the entire deck? \_\_\_\_\_

Task 7.

- What is the  $P(\text{black})$ ? \_\_\_\_\_
- What is the  $P(\text{red})$ ? \_\_\_\_\_
- What is the  $P(\text{heart})$ ? \_\_\_\_\_
- What is the  $P(\text{face})$ ? \_\_\_\_\_
- What is the  $P(\text{black})$  and (face)? \_\_\_\_\_
- What is the  $P(\text{black})$  or (face)? \_\_\_\_\_
- What is the  $P(\text{odd})$  and (red)? \_\_\_\_\_