Mobius Math Club

Name:_____

1

J ♦ 9 ♦ 6 ♥

8 ♦ Q ♣ 6 ♣

Q ♣

P(3 Diamonds)

Calculate the probability of drawing 3 Diamonds. Show as a fraction

a	$\dfrac{6}{210}$	b	$\dfrac{2}{239}$
c	$\dfrac{12}{203}$	d	$\dfrac{5}{195}$
e	$\dfrac{13}{222}$		

2

Q ♥ A ♣ K ♦

K ♣ 3 ♠ 3 ♠

P(2 3s)

Calculate the probability of drawing 2 3s. Show as a fraction
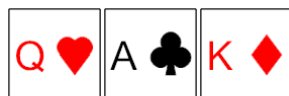
a	$\dfrac{2}{30}$	b	$\dfrac{5}{0}$
c	$\dfrac{3}{46}$	d	$\dfrac{3}{27}$
e	$\dfrac{2}{57}$		

3

J ♣ 10 ♥ 10 ♠

10 ♦ 4 ♦

P(3 10s)

Calculate the probability of drawing 3 10s. Show as a fraction

a	$\dfrac{6}{60}$	b	$\dfrac{12}{62}$
c	$\dfrac{3}{83}$	d	$\dfrac{1}{76}$
e	$\dfrac{2}{73}$		

4

K ♠ 6 ♠ 5 ♣

5 ♥ 5 ♠

P(3 Spades)

Calculate the probability of drawing 3 Spades. Show as a fraction

a	$\dfrac{20}{74}$	b	$\dfrac{8}{54}$
c	$\dfrac{6}{60}$	d	$\dfrac{14}{58}$
e	$\dfrac{18}{58}$		

5

2 ♣ 8 ♣ 9 ♣

6 ♦ K ♣ 9 ♦

Q ♣

P(5 Clubs)

Calculate the probability of drawing 5 Clubs. Show as a fraction
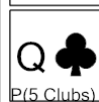
a	$\dfrac{133}{2494}$	b	$\dfrac{132}{2495}$
c	$\dfrac{119}{2505}$	d	$\dfrac{120}{2520}$
e	$\dfrac{129}{2526}$		

6

8 ♥ 6 ♦ 9 ♦

9 ♥ A ♦ 9 ♥

K ♦

P(3 9s)

Calculate the probability of drawing 3 9s. Show as a fraction

a	$\dfrac{4}{218}$	b	$\dfrac{17}{189}$
c	$\dfrac{6}{210}$	d	$\dfrac{2}{202}$
e	$\dfrac{1}{183}$		

7

8 ♣ J ♣ 4 ♥

3 ♦

P(2 Clubs)

Calculate the probability of drawing 2 Clubs. Show as a fraction

a	$\dfrac{4}{19}$	b	$\dfrac{2}{12}$
c	$\dfrac{6}{15}$	d	$\dfrac{11}{10}$
e	$\dfrac{16}{20}$		