



Math worksheet on 'Probability - Cards, From Hand, Pick One, To Decimal (Level 2)'. Part of a broader unit on 'Probability and Statistics - Counting and Probability Foundations'

Learn online: [app.mobius.academy/math/units/probability\\_and\\_statistics\\_probability/](http://app.mobius.academy/math/units/probability_and_statistics_probability/)

**2**

Calculate the probability of drawing a 3 of Clubs. Show as a decimal

3 ♣	3 ♣	3 ♣
3 ♣	4 ♥	2 ♣

P(3 Clubs)

<b>a</b>	0.66	<b>b</b>	0.5
<b>c</b>	1.33	<b>d</b>	0.59
<b>e</b>	0.7	<b>f</b>	0.67

**1**

Calculate the probability of drawing a 3 of Hearts. Show as a decimal

7 ♠	3 ♥	3 ♥
3 ♥	3 ♥	3 ♥
8 ♣		

P(3 Hearts)

<b>a</b>	0.86	<b>b</b>	0.71
<b>c</b>	0.63	<b>d</b>	0.29
<b>e</b>	0.14	<b>f</b>	0.76

**3**

Calculate the probability of drawing a Ace of Hearts. Show as a decimal

7 ♠	A ♥	A ♥
A ♥	6 ♠	A ♥

P(A Hearts)

<b>a</b>	0.5	<b>b</b>	1
<b>c</b>	0.17	<b>d</b>	0.56
<b>e</b>	0.67	<b>f</b>	0.65

**4**

Calculate the probability of drawing a 7 of Hearts. Show as a decimal

3 ♥	7 ♥	7 ♥
9 ♦	2 ♣	

P(7 Hearts)

<b>a</b>	0.2	<b>b</b>	0.25
<b>c</b>	0.22	<b>d</b>	0.39
<b>e</b>	0.4	<b>f</b>	0.33

**5**

Calculate the probability of drawing a 9 of Spades. Show as a decimal

2 ♥	Q ♠	K ♠
9 ♠	9 ♠	

P(9 Spades)

<b>a</b>	0.4	<b>b</b>	0.25
<b>c</b>	0.6	<b>d</b>	0.39
<b>e</b>	0.33	<b>f</b>	0.2

**6**

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

J ♥	2 ♣	8 ♣
6 ♣	2 ♣	

P(2 Clubs)

<b>a</b>	0.43	<b>b</b>	0.2
<b>c</b>	0.6	<b>d</b>	0.4
<b>e</b>	0.29	<b>f</b>	0.39

**7**

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

7 ♣	K ♠	3 ♠
6 ♣		

P(3 Spades)

<b>a</b>	1	<b>b</b>	0.2
<b>c</b>	0.25	<b>d</b>	0.5
<b>e</b>	0.21	<b>f</b>	0.29