



Math worksheet on 'Probability - Cards, From Hand, Pick One of Group, To Percent (Level 1)'. Part of a broader unit on 'Probability and Statistics - Counting and Probability Foundations'

Learn online: app.mobius.academy/math/units/probability_and_statistics_probability/

2

Calculate the probability of drawing any Heart. Show as a percent

| | | |
|-----|-----|------|
| A ♠ | 6 ♣ | 10 ♥ |
|-----|-----|------|

| | | | |
|----------|------|----------|------|
| a | 0% | b | 17% |
| c | 133% | d | 27% |
| e | 33% | f | 100% |

P(Heart)

1

Calculate the probability of drawing any Heart. Show as a percent

| | | |
|-----|-----|-----|
| 2 ♥ | 5 ♣ | A ♠ |
| J ♦ | 6 ♠ | |

| | | | |
|----------|-----|----------|-----|
| a | 0% | b | 80% |
| c | 20% | d | 40% |
| e | 23% | f | 16% |

P(Heart)

3

Calculate the probability of drawing any Diamond. Show as a percent

| | | |
|------|-----|-----|
| 10 ♣ | 9 ♥ | 6 ♣ |
| 9 ♦ | K ♣ | |

| | | | |
|----------|------|----------|-----|
| a | 40% | b | 13% |
| c | 100% | d | 20% |
| e | 80% | f | 50% |

P(Diamond)

4

Calculate the probability of drawing any Spade. Show as a percent

| | | |
|-----|-----|-----|
| 5 ♦ | 7 ♣ | 3 ♠ |
| 9 ♣ | 6 ♣ | |

| | | | |
|----------|------|----------|-----|
| a | 20% | b | 17% |
| c | 80% | d | 11% |
| e | 100% | f | 21% |

P(Spade)

5

Calculate the probability of drawing any Diamond. Show as a percent

| | | |
|-----|-----|-----|
| Q ♥ | K ♥ | 3 ♥ |
| 3 ♦ | | |

| | | | |
|----------|-----|----------|-----|
| a | 14% | b | 13% |
| c | 30% | d | 25% |
| e | 75% | f | 50% |

P(Diamond)

6

Calculate the probability of drawing any Spade. Show as a percent

| | | |
|-----|------|-----|
| Q ♠ | 10 ♥ | K ♣ |
| K ♣ | K ♦ | |

| | | | |
|----------|-----|----------|-----|
| a | 80% | b | 50% |
| c | 20% | d | 21% |
| e | 17% | f | 23% |

P(Spade)

7

Calculate the probability of drawing any Ace. Show as a percent

| | | |
|------|-----|-----|
| 2 ♦ | A ♠ | 6 ♦ |
| 10 ♦ | K ♥ | |

| | | | |
|----------|-----|----------|-----|
| a | 20% | b | 33% |
| c | 60% | d | 23% |
| e | 21% | f | 18% |

P(A)