

Name _____

Date _____

Statistics & Probability with Cards Version 1



Directions: In the space to the right, determine the probability of each question.

- 1) Drawing a 6 from a deck of cards? _____
- 2) Drawing 3 cards that are all queen from a deck of cards? _____
- 3) Drawing a black card from a deck of cards? _____
- 4) Rolling an odd number on a die? _____
- 5) Drawing a 3 from a deck of cards? _____
- 6) Drawing a club from a deck of cards? _____
- 7) Drawing 2 cards that are all 8 from a deck of cards? _____
- 8) Drawing a heart from a deck of cards? _____
- 9) Drawing a 7 from a deck of cards? _____
- 10) Drawing 2 cards that are all 2 from a deck of cards? _____
- 11) Rolling an even number on a die? _____
- 12) Drawing 3 cards that are all 9 from a deck of cards? _____
- 13) Drawing a red card from a deck of cards? _____
- 14) Rolling a 6 on a die? _____
- 15) Drawing a 5 from a deck of cards? _____

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Version 1 Answer Key

1. $\frac{4}{52}$ or $\frac{1}{13}$

2. $\frac{4}{52}$ or $\frac{1}{13}$

3. $\frac{26}{52}$ or $\frac{1}{2}$

4. $\frac{3}{6}$ or $\frac{1}{2}$

5. $\frac{4}{52}$ or $\frac{1}{13}$

6. $\frac{13}{52}$ or $\frac{1}{4}$

7. $\frac{1}{221}$

8. $\frac{13}{52}$ or $\frac{1}{4}$

9. $\frac{4}{52}$ or $\frac{1}{13}$

10. $\frac{1}{2704}$

11. $\frac{3}{6}$ or $\frac{1}{2}$

12. $\frac{1}{140608}$

13. $\frac{26}{52}$ or $\frac{1}{2}$

14. $\frac{1}{6}$

15. $\frac{4}{42}$ or $\frac{1}{13}$

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Statistics & Probability with Cards Version 2

Directions: In the space to the right, determine the probability of each question.

- 1) Drawing a 9 from a deck of cards?
- 2) Drawing 2 cards that are all jacks from a deck of cards?
- 3) Drawing a red card from a deck of cards?
- 4) Rolling an even number on a die?
- 5) Drawing a 8 of clubs from a deck of cards?
- 6) Drawing a spade from a deck of cards?
- 7) Drawing 3 cards that are all 7 from a deck of cards?
- 8) Drawing a diamond from a deck of cards?
- 9) Drawing a Ace from a deck of cards?
- 10) Drawing 4 cards that are all 4 from a deck of cards?
- 11) Rolling an 4 on a die?
- 12) Drawing 2 cards that are all Kings from a deck of cards?
- 13) Drawing a black card from a deck of cards?
- 14) Rolling a 1 on a die?
- 15) Drawing a 4 from a deck of cards?

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Version 2 Answer Key

1. $4/52$ or $1/13$

2. $1/2704$

3. $26/52$ or $13/26$ or $1/2$

4. $3/6$ or $1/2$

5. $1/52$

6. $13/52$ or $1/4$

7. $1/140608$

8. $13/52$ or $1/4$

9. $4/52$ or $1/13$

10. $1/7311616$

11. $1/6$

12. $1/2704$

13. $26/52$ or $1/2$

14. $1/6$

15. $4/52$ or $1/13$

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Statistics & Probability with Cards Version 3

Directions: In the space to the right, determine the probability of each question.

- 1) Drawing a 10 from a deck of cards?
- 2) Drawing 3 cards that are all aces from a deck of cards?
- 3) Drawing a 3 from a deck of cards?
- 4) Rolling an 2 on a die?
- 5) Drawing a 6 of clubs from a deck of cards?
- 6) Drawing a heart from a deck of cards?
- 7) Drawing 2 cards that are all 9 from a deck of cards?
- 8) Drawing a club from a deck of cards?
- 9) Drawing a King from a deck of cards?
- 10) Drawing 2 cards that are all 2 from a deck of cards?
- 11) Rolling a 5 on a die?
- 12) Drawing 4 cards that are all Aces from a deck of cards?
- 13) Drawing a red card from a deck of cards?
- 14) Rolling a 6 on a die?
- 15) Drawing a 2 from 2 decks of cards?

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Version 3 Answer Key

1. $4/52$ or $1/13$

2. $1/140608$

3. $4/52$ or $1/13$

4. $1/6$

5. $1/52$

6. $13/52$ or $1/4$

7. $1/2704$

8. $13/52$ or $1/4$

9. $4/52$ or $1/13$

10. $1/2704$

11. $1/6$

12. $1/7311616$

13. $26/52$ or $1/2$

14. $1/6$

15. $1/2704$