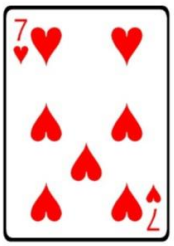
New Maths GCSE: P8 - Probability with Playing Cards

Name:..... Date:.....

Standard Pack of 52 cards, no jokers! You pick one card

What is the probability of getting the 7 of Hearts?



A) $\frac{7}{52}$ B) $\frac{1}{7}$ C) $\frac{1}{52}$ D) $\frac{1}{51}$

Correct Answer: A B C D

Explanation:

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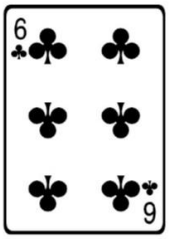
Standard Pack of 52 cards, no jokers! You pick one card

What is the probability of getting **any** six?



A) $\frac{4}{52}$ B) $\frac{6}{52}$ C) $\frac{4}{48}$ D) $\frac{1}{6}$

Correct Answer: A B C D

Explanation:

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Standard Pack of 52 cards, no jokers! You pick one card

What is the probability of getting **a red** queen?

A) $\frac{4}{52}$ B) $\frac{1}{52}$ C) $\frac{2}{4}$ D) $\frac{2}{52}$

Correct Answer: A B C D

Explanation:

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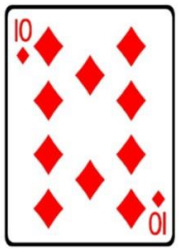
Standard Pack of 52 cards, no jokers!
You pick one card



What is the probability of getting **a diamond?**

A) $\frac{1}{4}$ B) $\frac{10}{52}$ C) $\frac{1}{52}$ D) $\frac{1}{3}$

Correct Answer: A B C D

Explanation:

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Standard Pack of 52 cards, no jokers!
You pick one card

What is the probability of getting **a Jack, Queen, King or Ace?**

A) $\frac{4}{52}$ B) $\frac{1}{4}$ C) $\frac{16}{52}$ D) $\frac{4}{16}$

Correct Answer: A B C D

Explanation:

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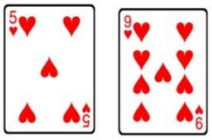
Standard Pack of 52 cards, no jokers!
You pick two cards



How do you work out the probability of getting **two hearts?**

A) $\frac{2}{52}$ B) $\frac{13}{52} \times \frac{12}{52}$

C) $\frac{13}{52} \times \frac{13}{51}$ D) $\frac{13}{52} \times \frac{12}{51}$

Correct Answer: A B C D

Explanation:

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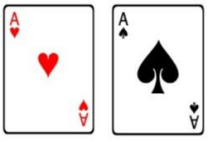
Standard Pack of 52 cards, no jokers!
You pick two cards



How do you work out the probability of getting **two Aces?**

A) $\frac{4}{52} \times \frac{3}{52}$ B) $\frac{4}{52} \times \frac{3}{51}$

C) $\frac{4}{52} \times \frac{4}{51}$ D) $\frac{4}{52} + \frac{4}{52}$

Correct Answer: A B C D

Explanation:

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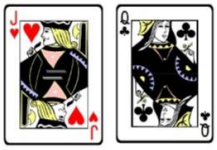
Standard Pack of 52 cards, no jokers! You pick two cards



How do you work out the probability of getting **a Jack 1st followed by a Queen?**

A) $\frac{4}{52} \times \frac{3}{51}$ B) $\frac{4}{52} \times \frac{4}{52}$

C) $\frac{4}{52} \times \frac{3}{52}$ D) $\frac{4}{52} \times \frac{4}{51}$

Correct Answer: A B C D

Explanation:

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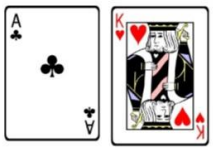
Standard Pack of 52 cards, no jokers! You pick two cards



How do you work out the probability of getting **a King and an Ace in any order?**

A) $\frac{4}{52} \times \frac{3}{51}$ B) $\frac{8}{52} \times \frac{4}{51}$

C) $\frac{8}{52} \times \frac{7}{51}$ D) $\frac{4}{52} \times \frac{4}{51}$

Correct Answer: A B C D

Explanation:

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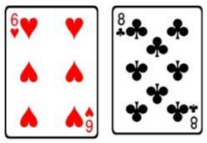
Standard Pack of 52 cards, no jokers! You pick two cards



How do you work out the probability of getting **a Heart and a Club in any order?**

A) $\frac{26}{52} \times \frac{13}{51}$ B) $\frac{13}{52} \times \frac{13}{51}$

C) $\frac{13}{52} \times \frac{12}{51}$ D) $\frac{26}{52} \times \frac{12}{51}$

Correct Answer: A B C D

Explanation:

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