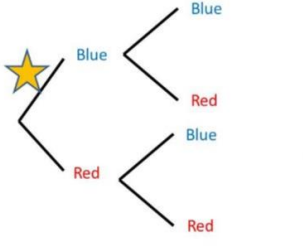




# New Maths GCSE: P8 - Tree Diagrams (conditional)

Name: .....

Date: .....



There are 9 balls in a bag. 6 are blue, 3 are red.

Jenny pulls two balls out without replacement.

What should replace the star?

**A** 6    **B**  $\frac{6}{6}$     **C**  $\frac{6}{9}$     **D**  $\frac{3}{9}$

Correct Answer: A B C D

Explanation:

.....

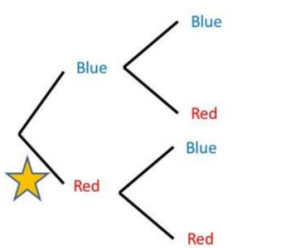
.....

.....

.....

.....

.....



There are 9 balls in a bag. 6 are blue, 3 are red.

Jenny pulls two balls out without replacement.

What should replace the star?

**A**  $\frac{3}{9}$     **B**  $\frac{6}{9}$     **C**  $\frac{3}{6}$     **D** 3

Correct Answer: A B C D

Explanation:

.....

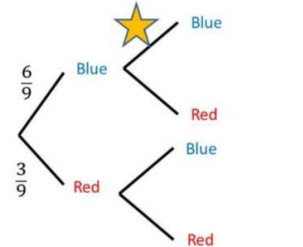
.....

.....

.....

.....

.....



There are 9 balls in a bag. 6 are blue, 3 are red.

Jenny pulls two balls out without replacement.

What should replace the star?

**A**  $\frac{5}{9}$     **B**  $\frac{5}{8}$     **C**  $\frac{6}{9}$     **D**  $\frac{6}{8}$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

There are 9 balls in a bag. 6 are blue, 3 are red.

Jenny pulls two balls out without replacement.

What should replace the star?

A  $\frac{2}{8}$    B  $\frac{2}{9}$    C  $\frac{3}{8}$    D  $\frac{3}{9}$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

There are 9 balls in a bag. 6 are blue, 3 are red.

Jenny pulls two balls out without replacement.

What should replace the star?

A  $\frac{5}{9}$    B  $\frac{5}{8}$    C  $\frac{6}{9}$    D  $\frac{6}{8}$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

There are 9 balls in a bag. 6 are blue, 3 are red.

Jenny pulls two balls out without replacement.

What should replace the star?

A  $\frac{2}{8}$    B  $\frac{2}{9}$    C  $\frac{3}{8}$    D  $\frac{3}{9}$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

There are 9 balls in a bag. 6 are blue, 3 are red.

Jenny pulls two balls out without replacement.

What is the probability of picking two blue balls?

A  $\frac{11}{72}$    B  $\frac{93}{72}$    C  $\frac{30}{72}$    D  $\frac{11}{17}$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

There are 9 balls in a bag. 6 are blue, 3 are red.

Jenny pulls two balls out without replacement.

What is the probability of picking two red balls?

**A**  $\frac{6}{72}$    **B**  $\frac{6}{17}$    **C**  $\frac{42}{72}$    **D**  $\frac{5}{17}$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

There are 9 balls in a bag. 6 are blue, 3 are red.

Jenny pulls two balls out without replacement.

What is the probability of picking exactly one blue ball?

**A**  $\frac{18}{72}$    **B**  $\frac{36}{72}$    **C**  $\frac{36}{144}$    **D**  $\frac{9}{17}$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

There are 9 balls in a bag. 6 are blue, 3 are red.

Jenny pulls two balls out without replacement.

What is the probability of picking at least one blue ball?

**A**  $\frac{66}{72}$    **B**  $\frac{18}{72}$    **C**  $\frac{36}{72}$    **D**  $\frac{6}{72}$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....