



New Maths GCSE: P8 - Tree Diagrams (conditional 2)

Name:

Date:

There are 5 balls in a bag. 3 are green, 2 are purple.

Josie pulls two balls out without replacement.

What should replace the star?

A $\frac{2}{5}$ **B** $\frac{3}{2}$ **C** $\frac{3}{5}$ **D** 3

Correct Answer: A B C D

Explanation:

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There are 5 balls in a bag. 3 are green, 2 are purple.

Josie pulls two balls out without replacement.

What should replace the star?

A 2 **B** $\frac{2}{5}$ **C** $\frac{2}{3}$ **D** $\frac{3}{5}$

Correct Answer: A B C D

Explanation:

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There are 5 balls in a bag. 3 are green, 2 are purple.

Josie pulls two balls out without replacement.

What should replace the star?

A $\frac{2}{4}$ **B** $\frac{2}{5}$ **C** $\frac{3}{5}$ **D** $\frac{3}{4}$

Correct Answer: A B C D

Explanation:

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There are 5 balls in a bag. 3 are green, 2 are purple.

Josie pulls two balls out without replacement.

What should replace the star?

A $\frac{1}{4}$ B $\frac{1}{5}$ C $\frac{2}{5}$ D $\frac{2}{4}$

Correct Answer: A B C D

Explanation:

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There are 5 balls in a bag. 3 are green, 2 are purple.

Josie pulls two balls out without replacement.

What should replace the star?

A $\frac{2}{4}$ B $\frac{2}{5}$ C $\frac{3}{5}$ D $\frac{3}{4}$

Correct Answer: A B C D

Explanation:

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There are 5 balls in a bag. 3 are green, 2 are purple.

Josie pulls two balls out without replacement.

What should replace the star?

A $\frac{1}{4}$ B $\frac{1}{5}$ C $\frac{2}{5}$ D $\frac{2}{4}$

Correct Answer: A B C D

Explanation:

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There are 5 balls in a bag. 3 are green, 2 are purple.

Josie pulls two balls out without replacement.

What is the probability of picking two purple balls?

A $\frac{13}{20}$ B $\frac{2}{20}$ C $\frac{3}{20}$ D $\frac{3}{9}$

Correct Answer: A B C D

Explanation:

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There are 5 balls in a bag. 3 are green, 2 are purple.

Josie pulls two balls out without replacement.

What is the probability of picking two green balls?

A $\frac{6}{20}$ **B** $\frac{22}{20}$ **C** $\frac{5}{9}$ **D** $\frac{5}{20}$

Correct Answer: A B C D

Explanation:

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There are 5 balls in a bag. 3 are green, 2 are purple.

Josie pulls two balls out without replacement.

What is the probability of picking exactly one green ball?

A $\frac{12}{20}$ **B** $\frac{5}{9}$ **C** $\frac{12}{40}$ **D** $\frac{6}{20}$

Correct Answer: A B C D

Explanation:

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There are 5 balls in a bag. 3 are green, 2 are purple.

Josie pulls two balls out without replacement.

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

A $\frac{2}{20}$ **B** $\frac{18}{20}$ **C** $\frac{18}{60}$ **D** $\frac{6}{20}$

Correct Answer: A B C D

Explanation:

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