Probability With and Without Replacement Worksheets

STUDENT / CASE 1

A bag contains 3 red and 4 blue counters. Each counter is equally likely on a random draw. Find the probability of two reds (a) replacing and mixing after the first draw, (b) without replacement.

Terracotta = red; green = blue



Your answer and reasoning:

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Probability With and Without Replacement Worksheets

STUDENT / CASE 2

A bag contains 4 red and 4 blue counters. Each counter is equally likely on a random draw. Find the probability of two reds (a) replacing and mixing after the first draw, (b) without replacement.

Terracotta = red; green = blue



Your answer and reasoning:

_____

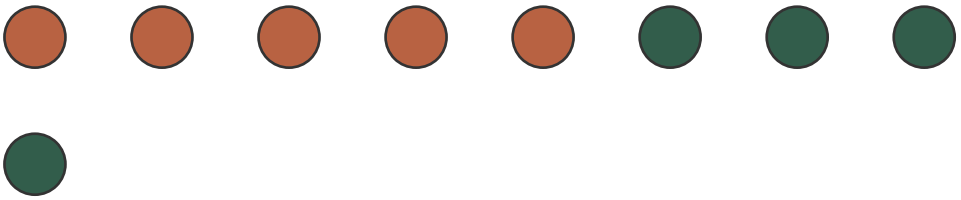
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Probability With and Without Replacement Worksheets

STUDENT / CASE 3

A bag contains 5 red and 4 blue counters. Each counter is equally likely on a random draw. Find the probability of two reds (a) replacing and mixing after the first draw, (b) without replacement.

Terracotta = red; green = blue



Your answer and reasoning:

_____

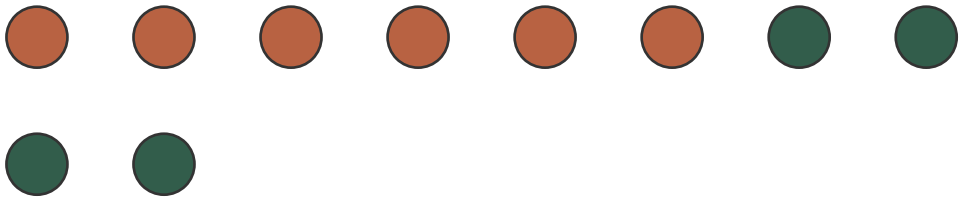
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Probability With and Without Replacement Worksheets

STUDENT / CASE 4

A bag contains 6 red and 4 blue counters. Each counter is equally likely on a random draw. Find the probability of two reds (a) replacing and mixing after the first draw, (b) without replacement.

Terracotta = red; green = blue



Your answer and reasoning:

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