Name: _____ Date: _____

Add or remove counters

Write the answer in the box. Some answers have a pick list.



1 A bag has 2 red and 3 blue counters. Add 1 red counter. Are red and blue now equally likely?

💡 Hint: First work out the new number of each colour, then compare.

Yes

2 A bag has 4 red and 1 blue counter. Add 2 blue counters. Which colour is more likely now?

💡 Hint: First work out the new number of each colour, then compare.

◯ Blue ◯ Red

Red

3 A bag has 3 yellow and 2 green counters. Remove 1 yellow counter. Are yellow and green now equally likely?

💡 Hint: First work out the new number of each colour, then compare.

Yes

4 A bag has 2 red and 5 blue counters. Add 4 red counters. Which colour is more likely?

💡 Hint: First work out the new number of each colour, then compare.

◯ Red ◯ Blue

Red

5 A bag has 1 red and 4 blue counters. Remove 2 blue counters. Which colour is more likely now?

💡 Hint: First work out the new number of each colour, then compare.

◯ Red ◯ Blue

Blue

6 A bag has 4 red and 4 blue counters. Remove 1 red counter. Which colour is more likely?

💡 Hint: First work out the new number of each colour, then compare.

◯ Red ◯ Blue

Blue

7 A bag has 6 yellow and 2 green counters. How many yellow counters must be removed to make the colours equally likely?

💡 Hint: First work out the new number of each colour, then compare.

4

8 A bag has 3 red and 5 blue counters. How many red counters must be added to make the colours equally likely?

💡 Hint: First work out the new number of each colour, then compare.

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