

Probability — 12 counters

Name: _____

Date: _____

Each bag holds these counters. Simplest form, and watch for NOT.

1 6 red, 4 blue, 2 green $P(\text{not green})$ _____

2 6 red, 4 blue, 2 green $P(\text{blue})$ _____

3 6 red, 3 blue, 3 green $P(\text{not blue})$ _____

4 7 red, 2 blue, 3 green $P(\text{green})$ _____

5 3 red, 6 blue, 3 green $P(\text{green})$ _____

6 7 red, 5 blue $P(\text{not blue})$ _____

7 5 red, 3 blue, 4 green $P(\text{blue})$ _____

8 7 red, 3 blue, 2 green $P(\text{red})$ _____

9 4 red, 4 blue, 4 green $P(\text{not blue})$ _____

10 8 red, 4 blue $P(\text{not red})$ _____



Probability · 12 counters — Answer key

1. 6 red, 4 blue, 2 green →
 $P(\text{not green}) = 5/6$

5. 3 red, 6 blue, 3 green →
 $P(\text{green}) = 1/4$

9. 4 red, 4 blue, 4 green →
 $P(\text{not blue}) = 2/3$

2. 6 red, 4 blue, 2 green →
 $P(\text{blue}) = 1/3$

6. 7 red, 5 blue → $P(\text{not blue}) = 7/12$

10. 8 red, 4 blue → $P(\text{not red}) = 1/3$

3. 6 red, 3 blue, 3 green →
 $P(\text{not blue}) = 3/4$

7. 5 red, 3 blue, 4 green →
 $P(\text{blue}) = 1/4$

4. 7 red, 2 blue, 3 green →
 $P(\text{green}) = 1/4$

8. 7 red, 3 blue, 2 green →
 $P(\text{red}) = 7/12$