

Probability — 12 counters

Name: _____

Date: _____

Each bag holds these counters. Write each probability in simplest form.

1 3 red, 7 blue, 2 green $P(\text{green})$ _____

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

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

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

9 5 red, 4 blue, 3 green $P(\text{blue})$ _____

2 5 red, 5 blue, 2 green $P(\text{blue})$ _____

4 5 red, 5 blue, 2 green $P(\text{green})$ _____

6 5 red, 3 blue, 4 green $P(\text{green})$ _____

8 6 red, 2 blue, 4 green $P(\text{blue})$ _____

10 5 red, 4 blue, 3 green $P(\text{red})$ _____



Probability · 12 counters — Answer key

1. 3 red, 7 blue, 2 green →
 $P(\text{green}) = 1/6$

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

9. 5 red, 4 blue, 3 green →
 $P(\text{blue}) = 1/3$

2. 5 red, 5 blue, 2 green →
 $P(\text{blue}) = 5/12$

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

10. 5 red, 4 blue, 3 green →
 $P(\text{red}) = 5/12$

3. 3 red, 4 blue, 5 green →
 $P(\text{green}) = 5/12$

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

4. 5 red, 5 blue, 2 green →
 $P(\text{green}) = 1/6$

8. 6 red, 2 blue, 4 green →
 $P(\text{blue}) = 1/6$