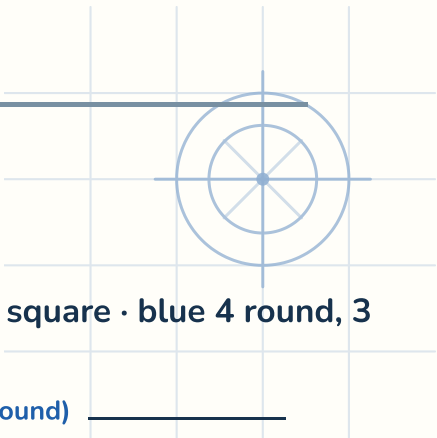


Probability — P(given that)

Name: _____

Date: _____

One counter is drawn. Given what it is, write the probability.



- 1 red 4 round, 3 square · blue 2 round, 3 square

P(round, given it is red) **4/7**

$$4 + 3 = 7$$
$$4/7$$

- 2 red 2 round, 3 square · blue 4 round, 3 square

P(red, given it is round) _____

- 3 red 3 round, 2 square · blue 5 round, 2 square

P(red, given it is round) _____

- 4 red 3 round, 2 square · blue 3 round, 4 square

P(blue, given it is square) _____

- 5 red 3 round, 2 square · blue 4 round, 3 square

P(square, given it is blue) _____

- 6 red 3 round, 3 square · blue 4 round, 2 square

P(blue, given it is square) _____



Probability — P(given that)

Name: _____

Date: _____

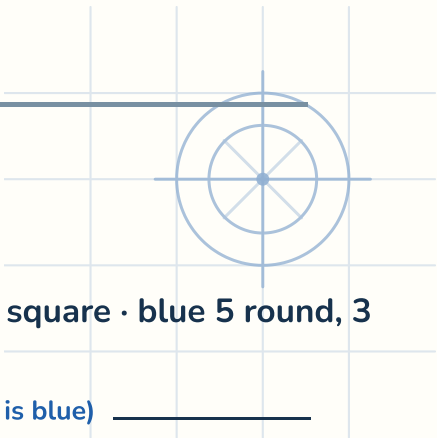
(One counter is drawn. Given what it is, write the probability.

7 red 3 round, 4 square · blue 2 round, 3 square

P(round, given it is red) _____

8 red 2 round, 2 square · blue 5 round, 3 square

P(square, given it is blue) _____



Probability · P(given that) — Answer key

1. red 4 round, 3 square · blue 2 round, 3 square → P(round, given it is red) = 4/7	2. red 2 round, 3 square · blue 4 round, 3 square → P(red, given it is round) = 1/3	3. red 3 round, 2 square · blue 5 round, 2 square → P(red, given it is round) = 3/8	4. red 3 round, 2 square · blue 3 round, 4 square → P(blue, given it is square) = 2/3
5. red 3 round, 2 square · blue 4 round, 3 square → P(square, given it is blue) = 3/7	6. red 3 round, 3 square · blue 4 round, 2 square → P(blue, given it is square) = 2/5	7. red 3 round, 4 square · blue 2 round, 3 square → P(round, given it is red) = 3/7	8. red 2 round, 2 square · blue 5 round, 3 square → P(square, given it is blue) = 3/8

