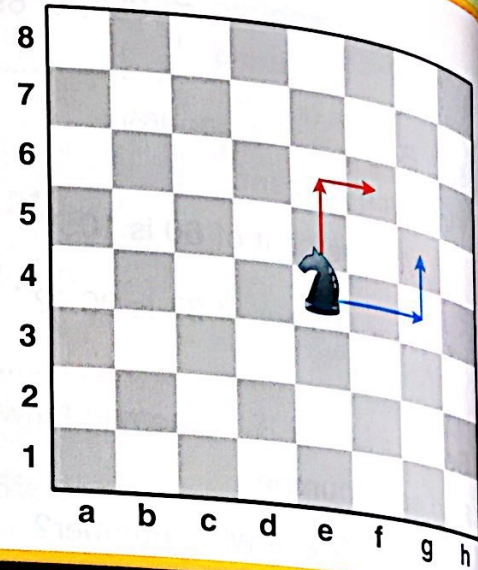


### Using Data

The knight is the only chess piece that may jump over other pieces. The knight moves like the letter "L." The "L" can be sideways, upside-down, or backwards.

The diagram shows two possible moves. Find all other possible moves. How many are there altogether?



# Use What You Know

Use this page to review and remember what you need to know for this chapter.

## VOCABULARY

Choose the best word to complete each sentence.

1. A(n) \_\_\_\_\_ is an event with a likelihood of 0.
2. The \_\_\_\_\_ gives the likelihood that an event will occur.
3. A diagram that shows all possible outcomes of an event is a(n) \_\_\_\_\_.

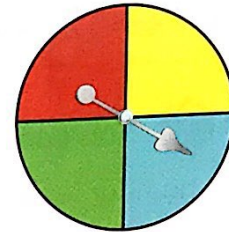
## Vocabulary

probability  
likely event  
tree diagram  
certain event  
impossible event  
dependent events

## CONCEPTS AND SKILLS

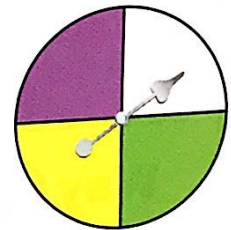
Refer to the spinner for Exercises 4–10. Write *true* or *false* for each statement.

4. The probability of landing on red is 1 out of 4.
5.  $P(\text{green}) = 25\%$
6.  $P(\text{blue}) = 0.33$
7.  $P(\text{yellow}) = \frac{1}{4}$
8. The probability of landing on green or blue is 1 out of 4.
9. The probability of landing on green or yellow is 2 out of 4, or  $\frac{1}{2}$ .
10. The probability of landing on orange is 0.



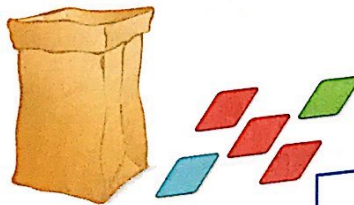
Use the spinner for Exercises 11–19. Tell whether each event is *likely*, *unlikely*, *certain*, or *impossible*.

- |                 |               |                                 |
|-----------------|---------------|---------------------------------|
| 11. P(purple)   | 12. P(white)  | 13. P(not red)                  |
| 14. P(blue)     | 15. P(yellow) | 16. P(green)                    |
| 17. P(not blue) | 18. P(red)    | 19. P(purple, white, or yellow) |



## Write About It

20. The cards shown will be placed inside the bag. How likely is it that Ann will pick a red card from the bag?



Facts Practice, See Page 657.