

## Answers for Lesson 10-1, pp. 472–473 Exercises

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1. experimental      2.  $\frac{1}{5}$       3.  $\frac{3}{10}$
4. The odds of winning are  $\frac{63}{42} = \frac{3}{2}$ .
5. 0.272      6. 0.376
7. 0.32      8. experimental
9. theoretical      10. 1 : 11
11.  $\frac{115}{819}$       12. 1 : 3
13. No, since the odds in favor are 2 : 3, the probability would be  $\frac{2}{3 + 2} = \frac{2}{5}$ .
14.  $\frac{36}{171}$       15.  $\frac{38}{171}$       16.  $\frac{93}{171}$       17.  $\frac{129}{171}$
18.  $\frac{78}{171}$       19.  $\frac{135}{171}$       20.  $\frac{1}{9}$       21. B
22. J      23. D      24.  $90^\circ$       25.  $36^\circ$
26.  $72^\circ$       27.  $54^\circ$