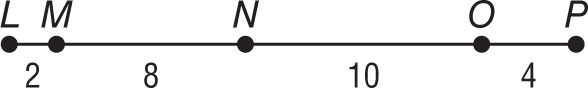
**13-3 Skills Practice**

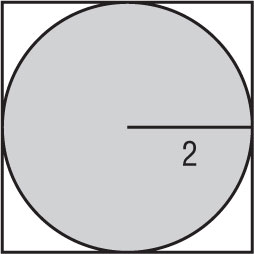
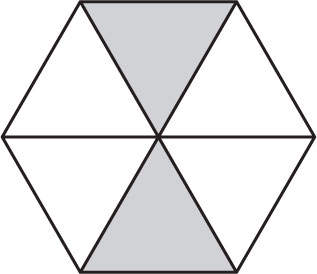
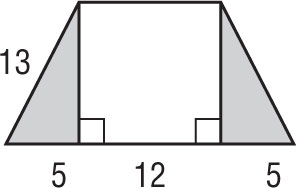
***Geometric Probability***

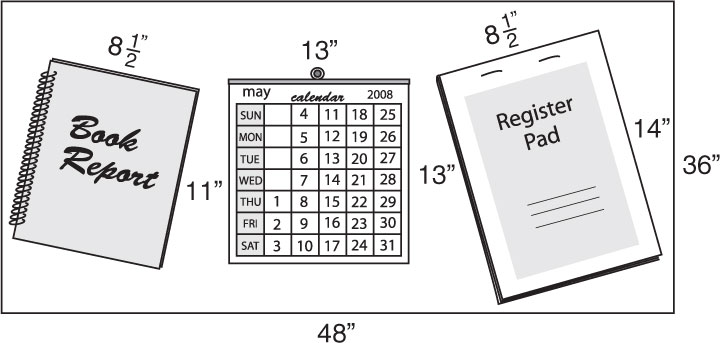
**Point *X* is chosen at random on . Find the probability of each event.**

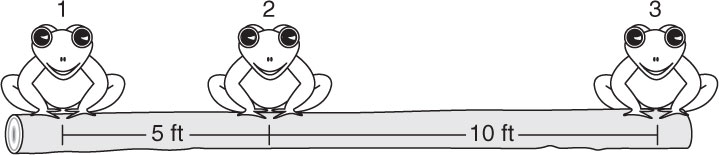
**1.** *P*(*X* is on )

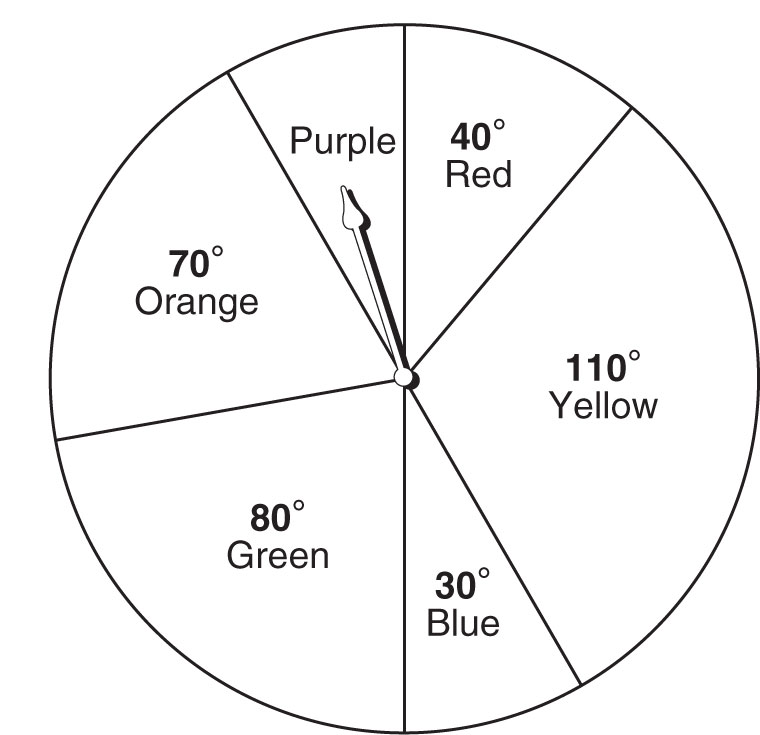
**2.** *P*(*X* is on )

**Find the probability that a point chosen at random lies in the shaded region.**

**3. 4. 5.**

** 6. DESKWORK** The diagram shows the top of a student’s desk at home. A dart is dropped on the desk. What is the probability the dart lands on the book report?

**7. FROGS** Three frogs are sitting on a 15-foot log. The first two are spaced 5 feet apart and the third frog is 10 feet away from the second one. What is the probability that when a fourth frog hops onto the log it lands between the first two?

**8. RADIO CONTEST** A radio station is running a contest in which listeners call in when they hear a certain song.   
The song is 2 minutes 40 seconds long. The radio station promised to play it   
sometime between noon and 4 P.M. If you tune in to that radio station   
during that time period, what is the probability the song is playing?

**Use the spinner to find each probability. If the spinner lands  
on a line it is spun again.**

**9.** *P*(pointer landing on yellow)

**10.** *P*(pointer landing on orange)