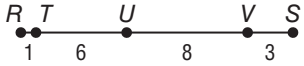
NAME _____ DATE _____ PERIOD _____

13-3 Practice

Geometric Probability

Point L is chosen at random on $\overline{RS}$. Find the probability of each event.

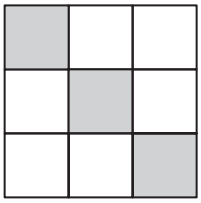
1. $P(L \text{ is on } \overline{TV})$



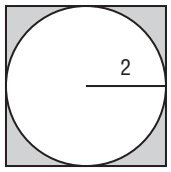
2. $P(L \text{ is on } \overline{US})$

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

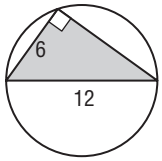
3.



4.



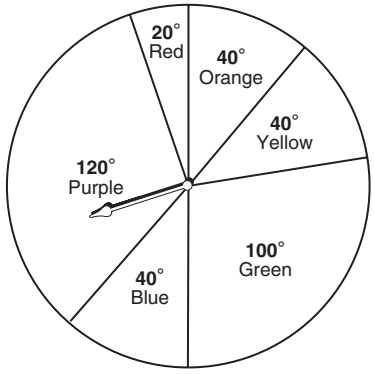
5.



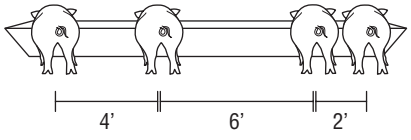
Use the spinner to find each probability. If the spinner lands on a line it is spun again.

6. $P(\text{pointer landing on purple})$

7. $P(\text{pointer landing on red})$



8. PIGS Four pigs are lined up at the feeding trough as shown in the picture. What is the probability that when a fifth pig comes to eat it lines up between the second and third pig?



9. MUSIC A certain company plays classical music when its customers are on hold on the telephone. If the length of the complete recording, Mozart's *Eine Kleine Nachtmusik* is 2 hours long, what is the probability a customer put on hold will hear the Allegro movement which is 6 minutes, 31 seconds long?

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