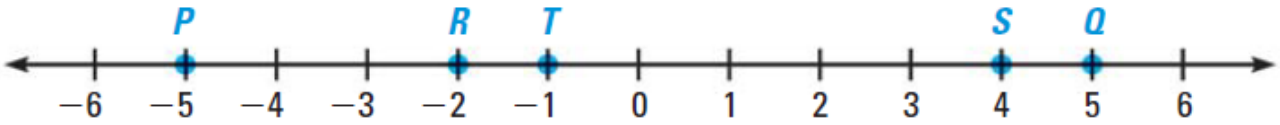
Geometry B 11.7 – Use Geometric Probability

$$P(K \text{ is on } \overline{CD}) = \frac{\text{Length of } \overline{CD}}{\text{Length of } \overline{AB}}$$

Find the probability that a point chosen at random on $\overline{PQ}$ is on the given segment. Express your answer as a fraction, a decimal, and a percent.



1. $\overline{RT}$
2. $\overline{TS}$
3. $\overline{PT}$
4. $\overline{RQ}$

Find the probability of being in the white area

$$P(K \text{ is in region } M) = \frac{\text{Area of } M}{\text{Area of } J}$$