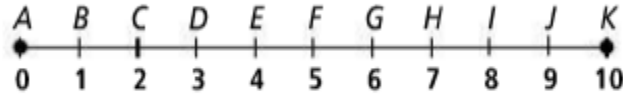


Day 2 – 10.8 Homework

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A point on  $\overline{AK}$  is chosen at random. Find the probability that the point lies on the given segment.

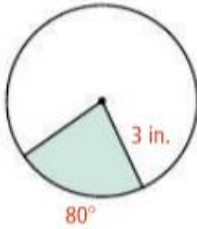


- |                     |                     |                     |
|---------------------|---------------------|---------------------|
| 8. $\overline{CH}$  | 9. $\overline{FG}$  | 10. $\overline{DJ}$ |
| 11. $\overline{EI}$ | 12. $\overline{AK}$ | 13. $\overline{GK}$ |

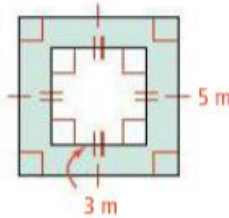
A point in the figure is chosen at random. Find the probability that the point lies in the shaded region.

See Problems 3 and 4.

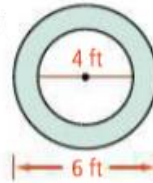
17.



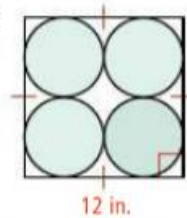
18.



19.



20.



**Target Game** A target with a diameter of 14 cm has 4 scoring zones formed by concentric circles. The diameter of the center circle is 2 cm. The width of each ring is 2 cm. A dart hits the target at a random point. Find the probability that it will hit a point in the indicated region.

- |                                   |                     |
|-----------------------------------|---------------------|
| 21. the center region             | 22. the blue region |
| 23. either the blue or red region | 24. any region      |

