

## Creating Number Lines

For the following questions, determine the probability fraction, decimal, and percentage. Then, plot it on a probability line and describe the probability in words. You can also record a detailed written or audio recording about where each point would be on the probability line.

1.) You are spinning a wheel that is broken into eight equal pieces. Three have a flower, one has a tree, one has a rock, one has a chair, one has a paper clip, and one has an eraser.

a.) What is the probability of landing on a piece with a flower?

b.) What is the probability of landing on a natural item?

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- 2.) There are 27 kids in an athletic camp program. 10 are on the basketball team, five are on the swim team, eight are on the soccer team, three are on the track team, and one participates in an individual sport. An athlete is picked at randomly to compete in a relay race.
- a.) What is the probability of picking someone from the track team?
- b.) What is the probability of picking someone on a sports team?
- c.) What is the most likely team to be picked? Communicate your answers in percent's decimals, fractions, and on a probability line.