Workstation 1

Materials:

- **Partitioning a Circle**
- **Partitioning a Rectangle**
- **Partitioning a Line**
- **Partitioning Wholes Station Summary**
- Fraction circles–one set per group of four
- Cuisenaire® Rods–one set per group of four

Prompt students to work in groups of four to complete the activities.

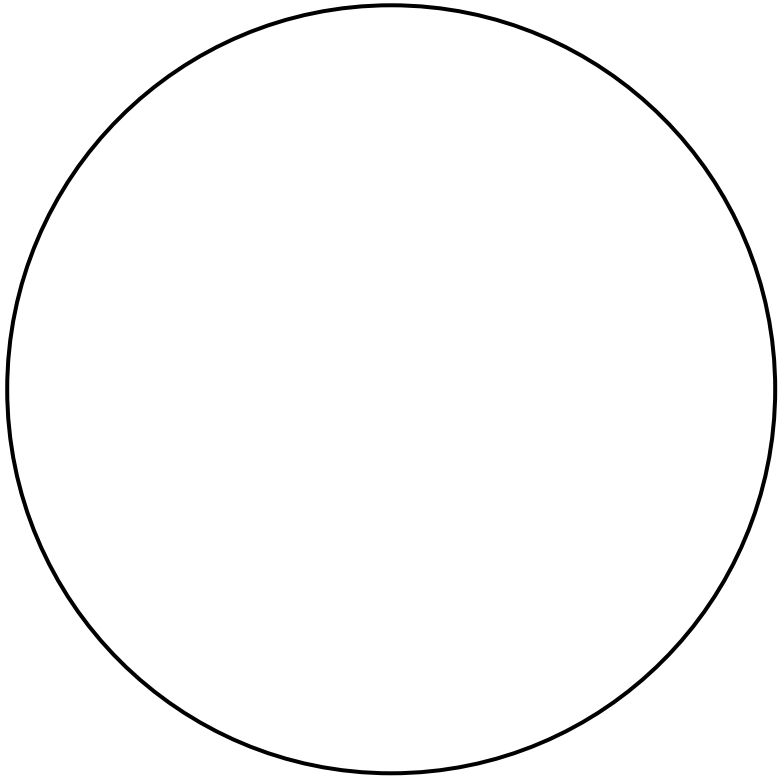
Use the **Partitioning Wholes Workstation Summary** to debrief the Workstation.

Name _____ Date _____

Partitioning a Circle

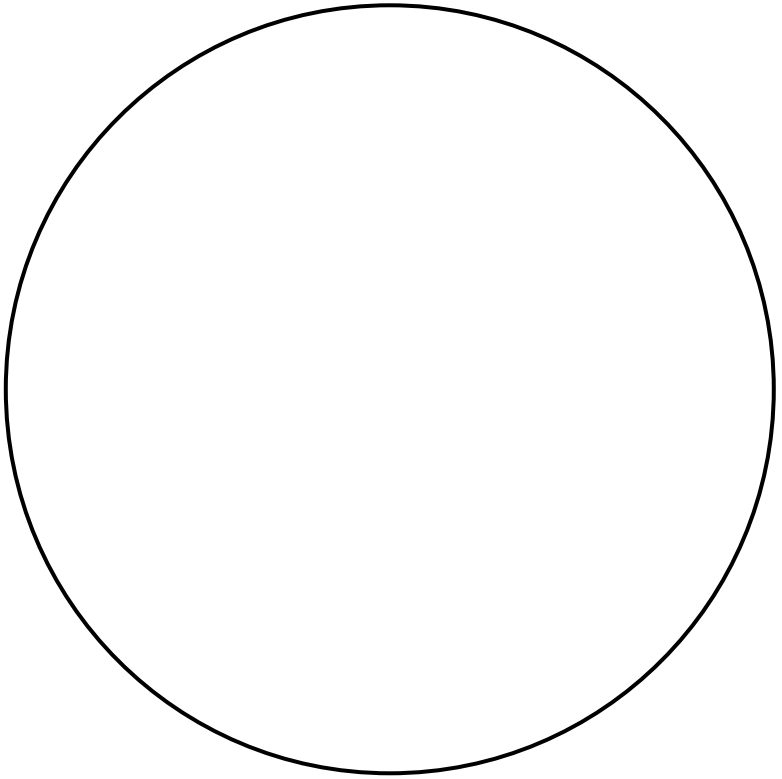
Cookie A

- There are 4 students who want to share a cookie.
- Use your fraction circles to partition the cookie into 4 equal parts.
- Outline and label one-fourth of the cookie.



Cookie B

- There are 8 students who want to share a cookie.
- Use your fraction circles to partition the cookie into 8 equal parts.
- Outline and label one-eighth of the cookie.



1 Which cookie has the most equal-sized parts? Cookie _____

2 Does this cookie have a ***larger*** or ***smaller*** equal-sized part?

Name _____ Date _____

Partitioning a Rectangle

Candy Bar A

- There are 2 students who want to share a candy bar. Determine the rod that is one-half of the whole.
- Use your rods to partition the candy bar into two equal parts.
- Outline and label one-half of the candy bar.

Candy Bar B

- There are 4 students who want to share a candy bar. Determine the rod that is one-fourth of the whole.
- Use your rods to partition the candy bar into four equal parts.
- Outline and label one-fourth of the candy bar.

Candy Bar C

- There are 8 students who want to share a candy bar. Determine the rod that is one-eighth of the whole.
- Use your rods to partition the candy bar into eight equal parts.
- Outline and label one-eighth of the candy bar.

1 Which candy bar has the fewest equal-sized parts? Candy Bar _____

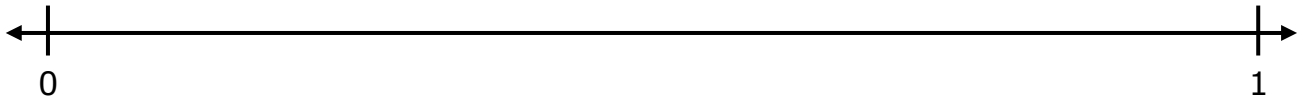
2 Does this candy bar have a ***larger*** or ***smaller*** equal-sized part?

Name _____ Date _____

Partitioning a Line

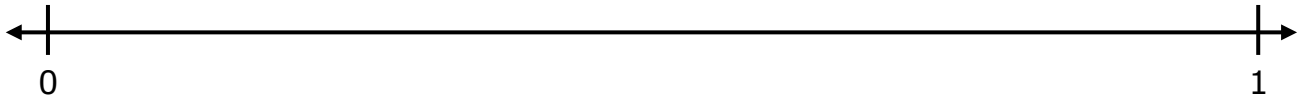
Licorice Stick A

- There are 2 students who want to share a licorice stick. Determine the rod that is one-half of the whole.
- Use your rods to partition the licorice stick into two equal parts.
- Outline and label one-half of the licorice stick.



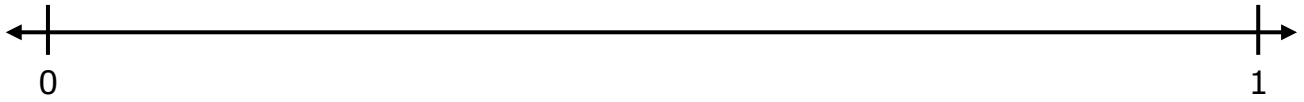
Licorice Stick B

- There are 4 students who want to share a licorice stick. Determine the rod that is one-fourth of the whole.
- Use your rods to partition the licorice stick into four equal parts.
- Outline and label one-fourth of the licorice stick.



Licorice Stick C

- There are 8 students who want to share a licorice stick. Determine the rod that is one-eighth of the whole.
- Use your rods to partition the licorice stick into eight equal parts.
- Outline and label one-eighth of the licorice stick.



1 Which licorice stick is partitioned into the most equal-sized parts? Licorice Stick _____

2 Does this licorice stick have ***larger*** or ***smaller*** equal-sized parts?

Name _____ Date _____

Partitioning Wholes Workstation Summary

Use the Word Bank to complete the sentence frames.

Word Bank		
halves	eighths	fourths
smaller	larger	

1 The name of 2 equal parts that make a whole is _____.

It takes 2 _____ to make one whole.

2 The name of 4 equal parts that make a whole is _____.

It takes 4 _____ to make one whole.

3 The name of 8 equal parts that make a whole is _____.

It takes 8 _____ to make one whole.

4 The more fractional parts used to make a whole, the _____ the part.

5 The fewer the fractional parts used to make a whole, the _____ the part.