

## MA 111 Worksheet on Divider-Chooser

Sally and Olivia are going to share a pizza. The pizza is half pepperoni and half olives. (The olive half is the shaded half). Sally likes pepperoni and olives equally. Olivia likes pepperoni and olives, but she likes olives twice as much as she likes pepperoni.

For each of the following situations,

- Decide who was the divider (or explain why this is not a legitimate division).
- Determine the value of each slice using the chooser's value system.



