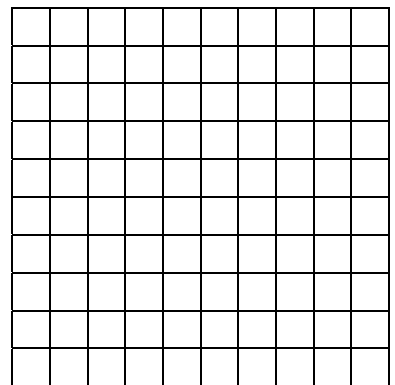
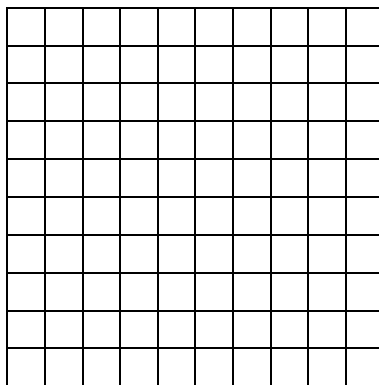
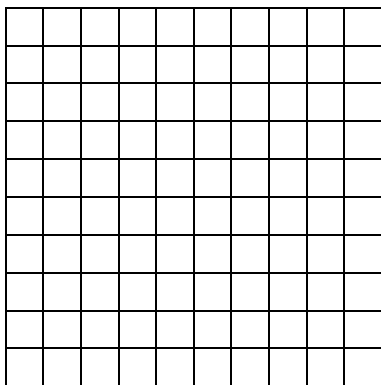
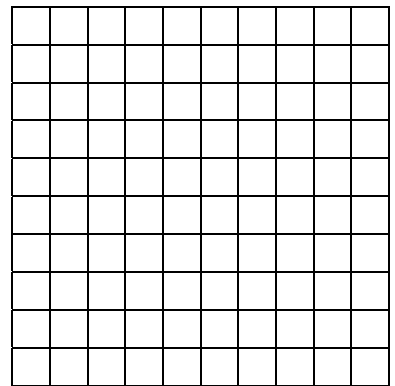
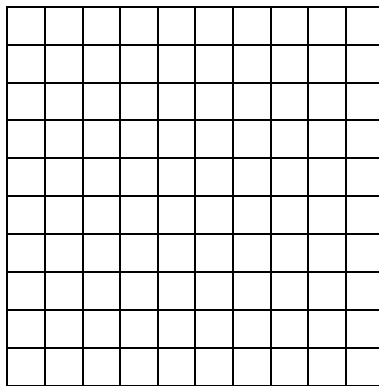
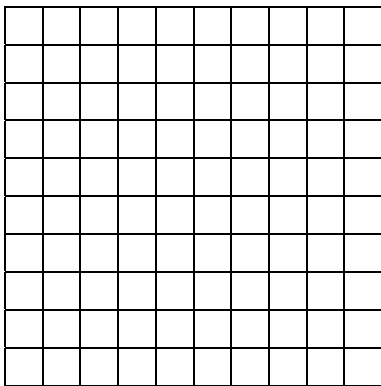
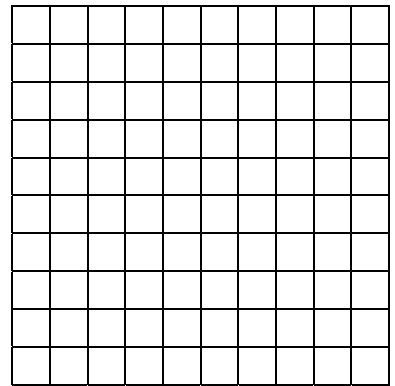
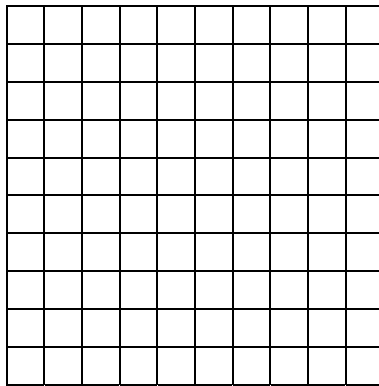
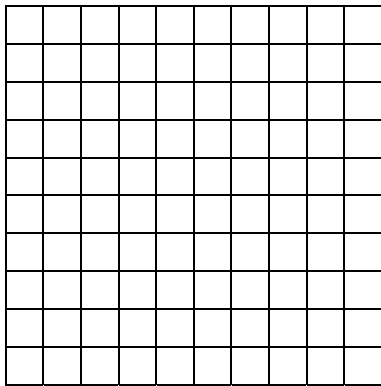
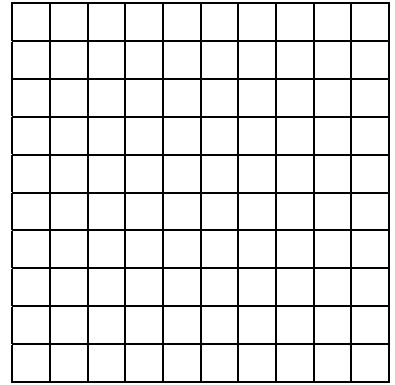
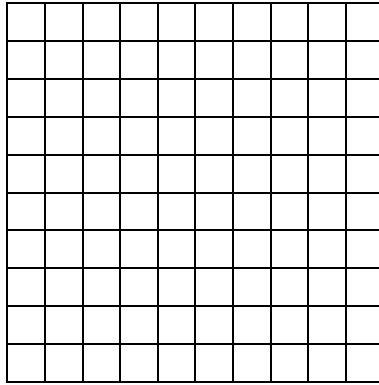
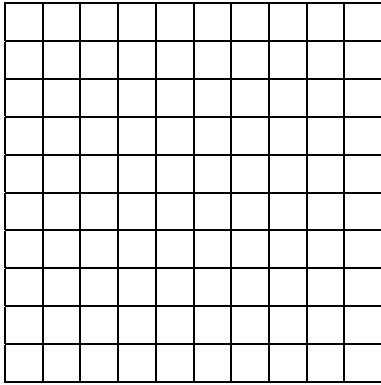
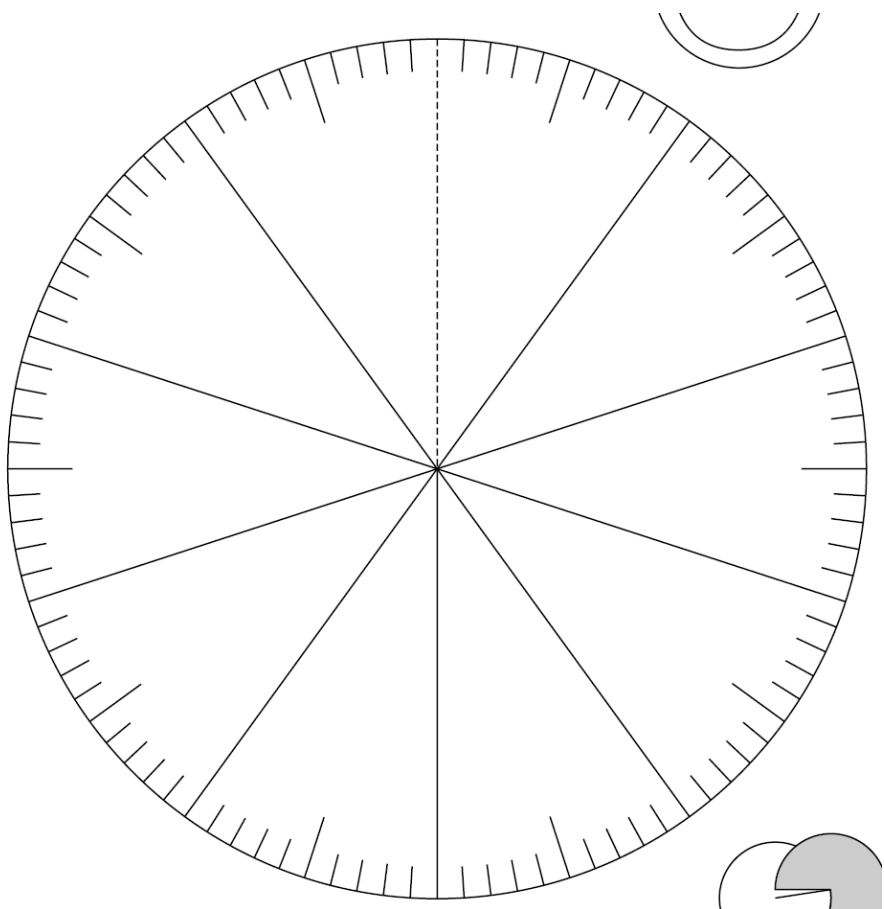
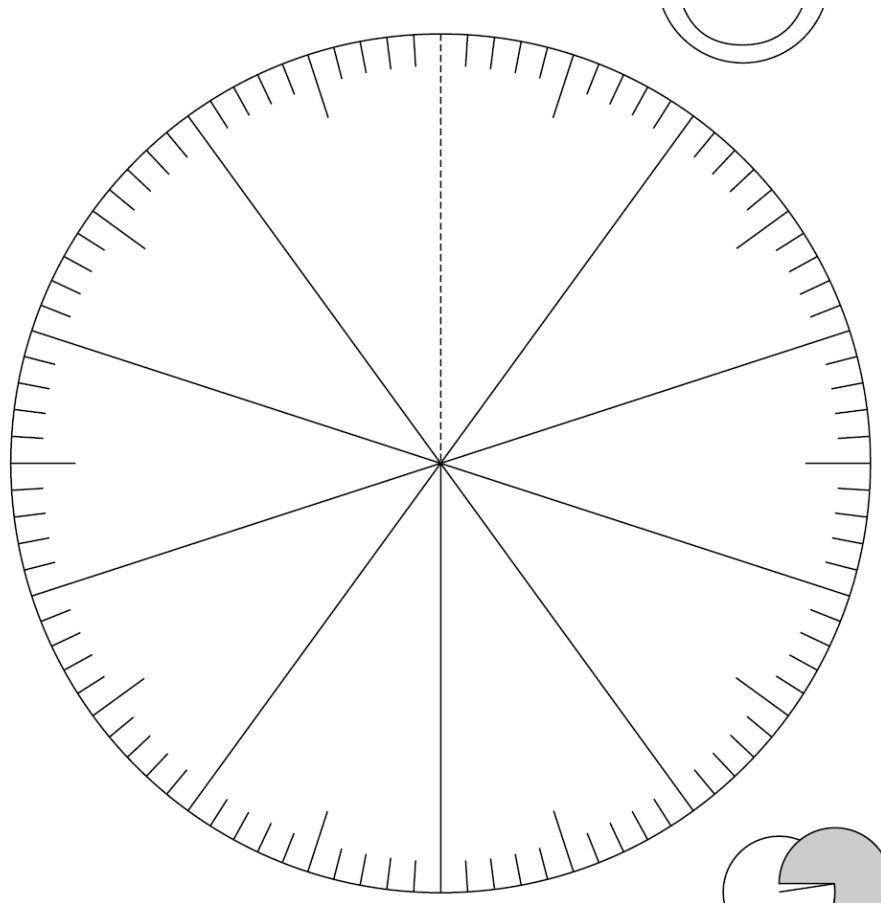


Grids (10 X 10)



An easy way to make interlocking decimal circles for your students:

- 1. Print 2 circles using 2 contrasting colors of cardstock,**
- 2. Using one circle of each color, cut a slit to the center in each circle**
- 3. Connect circles at slit.**
- 4. Rotate to show decimal**



The Unit of You

Using yourself as the unit find items to complete the place value chart. Add descriptions and/or pictures of the items. Be prepared to share your reasoning.

| thousands | hundreds | Tens | UNITS (ones) | tenths | hundredths | thousandths |
|-----------|----------|------|-----------------|--------|------------|-------------|
| | | | | | | |

Adapted from: Williams, Cathy, et al. *Mindset Mathematics: Visualizing and Investigating Big Ideas, Grade 5*, Jossey Bass Inc, 2018.

Shifting Units Activity 14.2, page 283

Materials – paper base ten pieces or base ten blocks for students

Ask students to pull out a certain collection such as 3 squares, 7 strips and 4 “tinies.” Tell students that you have the unit hidden behind your back: when you show it to them, they are to figure out how much they have and to record the value. Hold up one of the units, like the strip. Observe what students record as their value. Ask students to accurately say their quantity aloud. Repeat several times. Continue playing in partners with one student selecting a mix of base-ten pieces and the other student deciding on the unit and writing and saying the number.

Decimal Roll and Cover, Activity 14.3, page 285

Materials for each pair of students

- 10 x 10 grid
- A die or spinner marked – $\frac{1}{10}$, $\frac{1}{100}$, $\frac{5}{100}$, $\frac{1}{1000}$, $\frac{5}{1000}$, $\frac{10}{1000}$ or 0.1, 0.01, 0.05, 0.001, 0.005 and 0.010
- Marker or colored pencil

Directions:

Roll the die and shade the amount on the grid. Together the team should try to cover the whole or 1.

Spinners for Decimal Roll and Cover

Copy on cardstock and use with a pencil and clip to spin.

