

• Dividing Two-Digit Numbers

To divide a two-digit number:

Step 1: Divide the tens digit by the divisor.

Subtract and bring down.

Step 2: Divide the result into equal groups.

$$\begin{array}{r} 13 \\ 4 \overline{)52} \\ \underline{4} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

Practice:

1. Myra has a special photo album for pictures of her friends. She can fit 6 pictures on one page. How many pages will she need for 90 pictures? _____
2. An equal number of students sit in each row during assemblies. If 75 students sit in 5 rows. how many students are in each row? _____
3. One yard is equal to 3 feet. How many yards are equal to 42 feet? _____

Find each quotient.

4. $4 \overline{)60}$

5. $5 \overline{)65}$

6. $6 \overline{)78}$

7. $3 \overline{)72}$

8. $2 \overline{)52}$

9. $5 \overline{)95}$

• Sorting

- We can sort objects or numbers by how they are similar or different.
 - We can use a rule to describe how objects or numbers are sorted.
-

Practice:

1. Sort the following numbers into two groups: even numbers and odd numbers.

23, 36, 42, 57, 65, 78

2. Describe the rule for sorting the numbers in these two groups.

Group A: 38, 27, 85, 92, 43**Group B:** 2, 7, 4, 8, 5

3. Describe the rule for sorting the numbers in these two groups.

Group A: 15, 25, 5, 35, 55**Group B:** 3, 6, 9, 18, 24

4. Sort these numbers into two groups. Then describe the sorting rule you used.

50, 9, 20, 80, 3, 5

- **Ordering Numbers Through 9,999**

- Two ways we can order groups of numbers are:
 - least to greatest
 - greatest to least
- We use place value to order numbers.

Practice

1. Arrange these numbers in order from greatest to least.

434 4,873 4,234

2. Arrange these numbers in order from least to greatest.

2,489 489 2,832

3. Tony saw a basketball goal advertised in three stores. Here are the prices.

\$19.95 \$18.79 \$17.99

Arrange these prices in order from least to greatest.

4. The table below shows the populations of three towns. List the names of the towns in order from least population to greatest population.

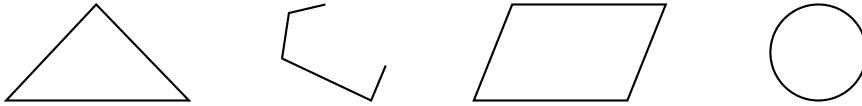
City	Population
Calhoun	9,527
Franklin	9,364
Minor	9,851

• Sorting Geometric Shapes

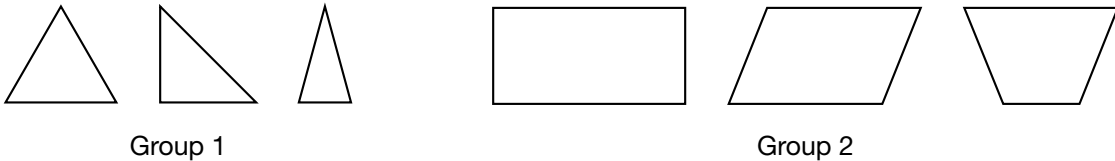
We can sort or classify shapes by how they are alike or different.

Practice:

1. Sort these objects into two groups: polygons and not polygons. Draw and label each group.



2. These figures are sorted into two groups. Describe the sorting rule.



3. These shapes are sorted into two groups. Describe the sorting rule.



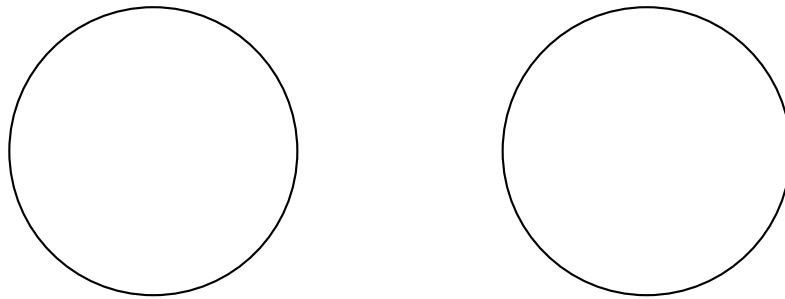
• **Diagrams for Sorting**

- We can use circles to help sort collections of things.
- A **Venn diagram** is a special type of sorting diagram made of overlapping circles.

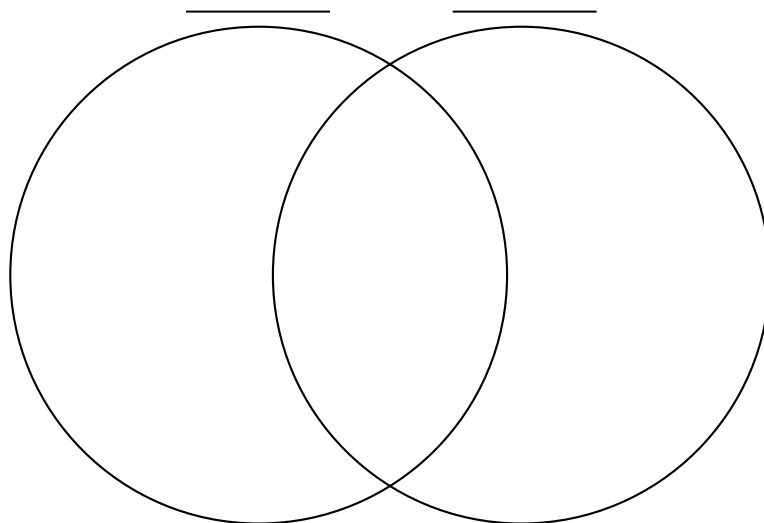
Practice:

1. Label one circle below “Numbers greater than 50” and the other circle “Numbers less than 50.” Then write these numbers in the correct circles:

79, 30, 18, 51, 90, 46



2. Use the Venn diagram below to sort the shapes shown. Label one circle “Q” for quadrilaterals and the other circle “P” for parallelograms. Then draw these shapes in the correct parts of the circles.

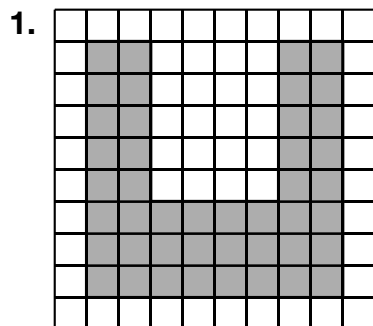


• **Estimating Area, Part 1**

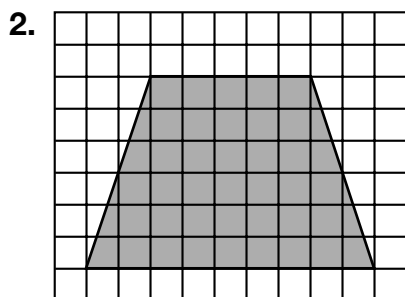
- We can use grids to estimate area of a shape.
- We can count the numbers of whole and half squares to find a shape's area.

Practice:

Estimate the area of the shapes inside the grids below. Each grid is 1 square unit.



_____ square units



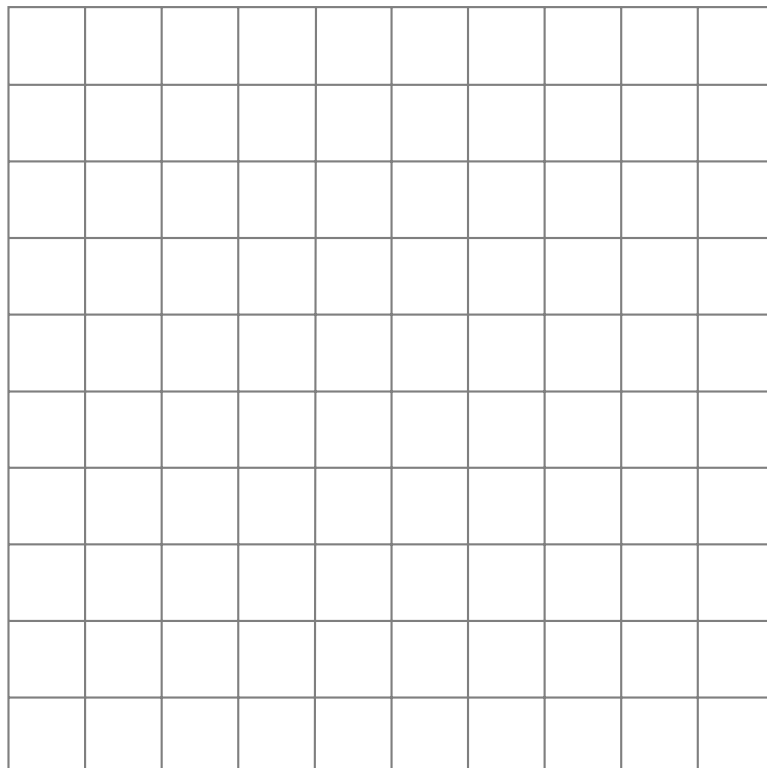
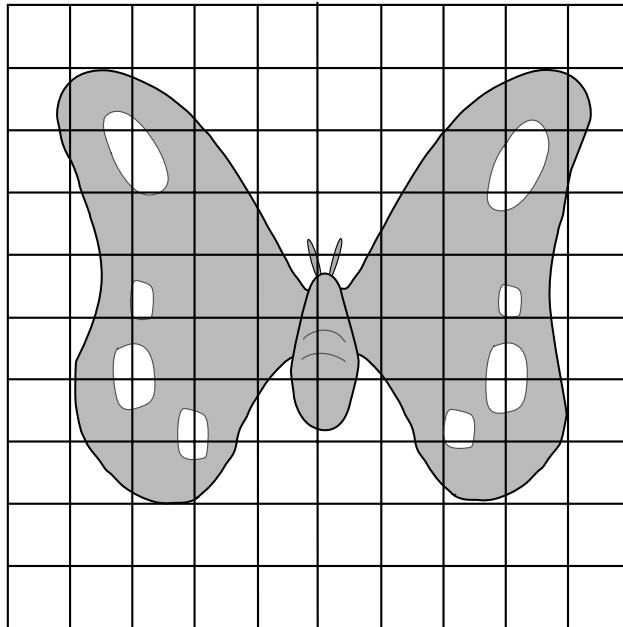
_____ square units

• **Drawing Enlargements**

We can use grids to enlarge designs by copying one square at a time.

Practice:

Enlarge this butterfly on the grid below.



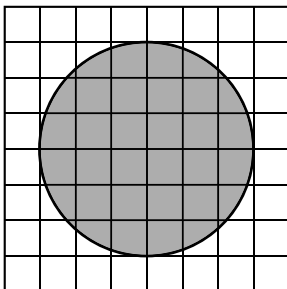
• Estimating Area, Part 2

We can use transparency grids to estimate the areas of figures.

Practice:

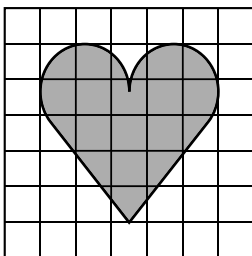
Estimate the area of each shape inside the grids below.

1.



_____ square units

2.



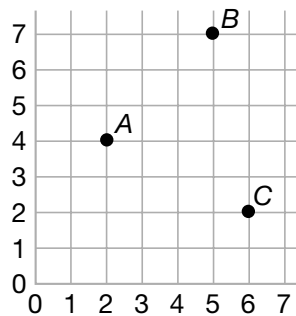
_____ square units

• Points on a Grid

- If we number the lines on a grid, we can name any point on the grid with two numbers.
- The two numbers in parentheses that name a point on a grid are called **coordinates**.

Practice:

Use the grid for problems 1–5.



1. Name the letter of the point that has these coordinates.

(5, 7) _____

(2, 4) _____

(6, 2) _____

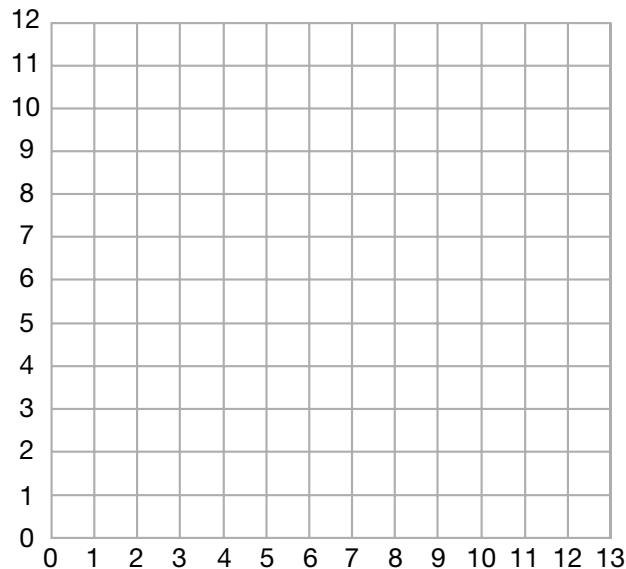
2. Draw a point with the coordinates (7, 5). Label the point *D*.
3. Draw a point with the coordinates (9, 9). Label the point *E*.
4. Draw a point with the coordinates (3, 6). Label the point *F*.

• Dot-to-Dot Design

We can create a design on a grid by drawing line segments from point to point using coordinates.

Practice:

Follow the directions in problems **1** and **2** to draw a right triangle and a parallelogram on the grid.



- 1.** Draw a right triangle by graphing these points and then connecting them with segments.

1. (1, 7) **2.** (1, 12)

3. (10, 7) **4.** (1, 7)

- 2.** Draw a parallelogram by graphing these points and connecting them with segments.

1. (1, 1) **2.** (4, 5)

3. (13, 5) **4.** (10, 1)

5. (1, 1)