## Lesson 1: Ways to Look at Figures

* Let’s sort two-dimensional figures.

### Warm-up: Which One Doesn’t Belong: Geometric Figures

Which one doesn’t belong?



### 1.1: Card Sort: Shapes

1. Sort the shapes from your teacher into 3–5 categories. For each category, write a title on a sticky note.
2. Share your categories with another group. Take turns listening to each other’s explanations.
	* Do your categories make sense to them?
	* Do their categories make sense to you?
	* Any suggestions or corrections?
3. Cover or hide the titles of your categories. Trade places with another group. Study their sorted cards while they study yours.
* Guess their categories and how they sorted the shapes.

### 1.2: Guess the Category

Partner A:

* Write down a category from the first activity (or think of a new one). Don’t show it to your partner.
* Find 3 shapes that fit the category and 3 shapes that don’t. Place them in the columns of the table.

Partner B:

* Study the shapes chosen by your partner.
* Pick another shape from the set. Ask: “Does this shape fit in your category?”
* Find 2 shapes that fit the category and 2 shapes that don’t.
* Guess the category. If your guess is off, ask more questions before guessing again.

Switch roles after the category is guessed correctly.

* Partner A’s category:

| fit the category | do not fit the category |
| --- | --- |
|  |  |

* Partner B’s category:

| fit the category | do not fit the category |
| --- | --- |
|  |  |



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