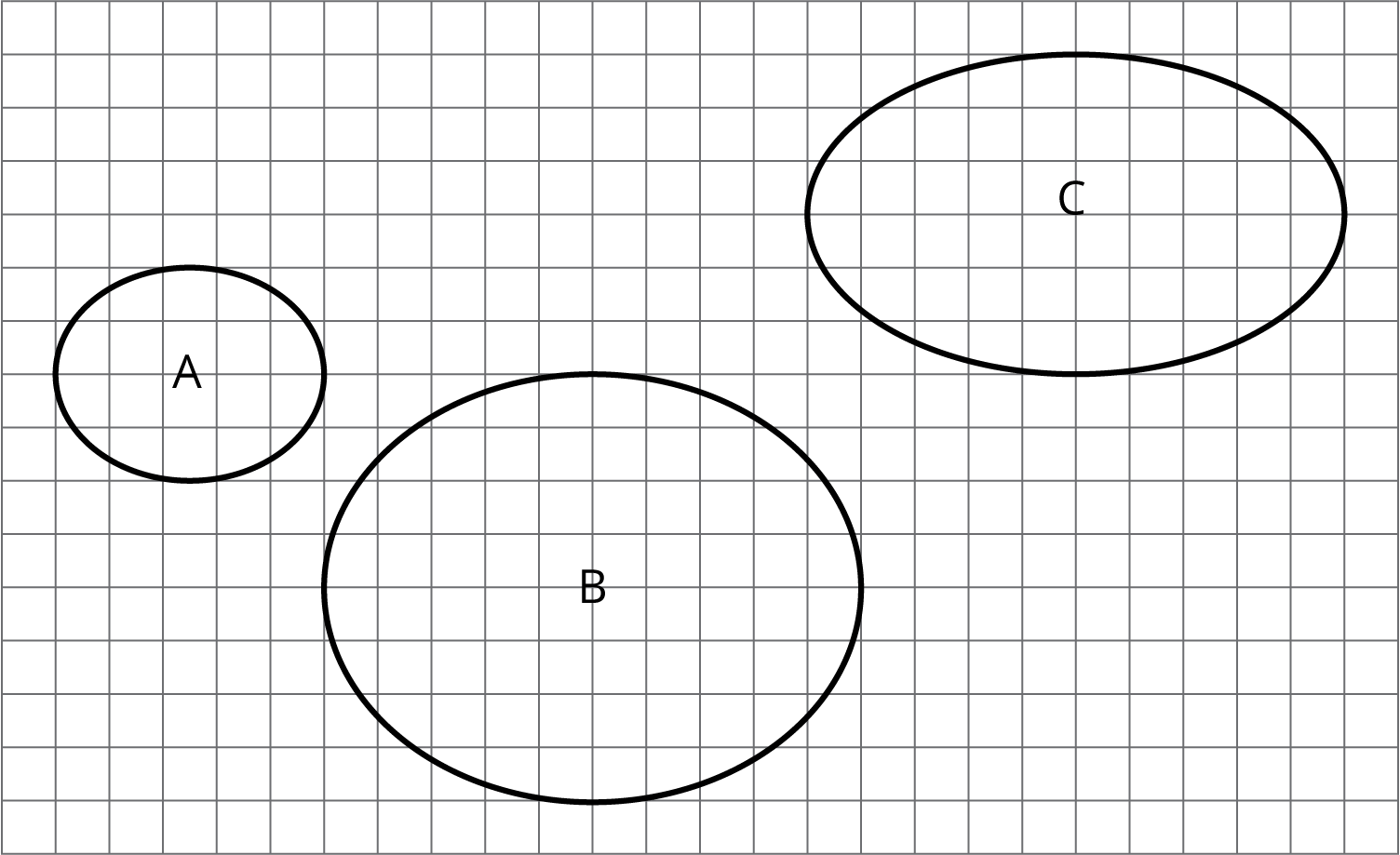
### Lesson 1 Practice Problems

1. Which one of these shapes is not like the others? Explain what makes it different by representing each width and height pair with a ratio.

* 

1. In one version of a trail mix, there are 3 cups of peanuts mixed with 2 cups of raisins. In another version of trail mix, there are 4.5 cups of peanuts mixed with 3 cups of raisins. Are the ratios equivalent for the two mixes? Explain your reasoning.
2. For each object, choose an appropriate scale for a drawing that fits on a regular sheet of paper. Not all of the scales on the list will be used.

* Objects
  1. A person
  2. A football field (120 yards by 53 yards)
  3. The state of Washington (about 240 miles by 360 miles)
  4. The floor plan of a house
  5. A rectangular farm (6 miles by 2 mile)
* Scales
  + 1 in : 1 ft
  + 1 cm : 1 m
  + 1: 1000
  + 1 ft: 1 mile
  + 1: 100,000
  + 1 mm: 1 km
  + 1: 10,000,000
* (From Unit 1, Lesson 12.)

1. Which scale is equivalent to 1 cm to 1 km?
   1. 1 to 1000
   2. 10,000 to 1
   3. 1 to 100,000
   4. 100,000 to 1
   5. 1 to 1,000,000

* (From Unit 1, Lesson 11.)
  1. Find 3 different ratios that are equivalent to .
  2. Explain why these ratios are equivalent.



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