



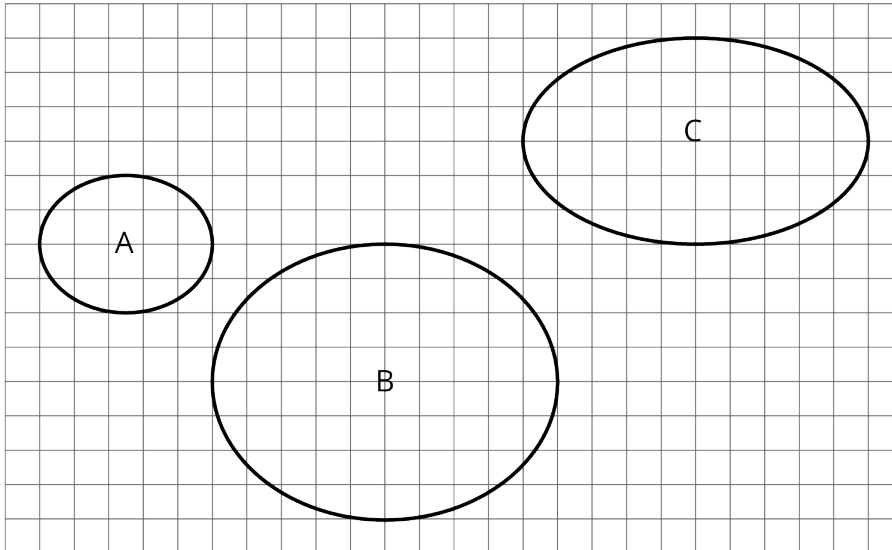
NAME _____

DATE _____

PERIOD _____

Unit 2, 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.



2. 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.
3. 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.



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Objects

- A. A person
- B. A football field (120 yards by $53\frac{1}{3}$ yards)
- C. The state of Washington (about 240 miles by 360 miles)
- D. The floor plan of a house
- E. A rectangular farm (6 miles by 2 mile)

Scales

- 1. 1 in : 1 ft
- 2. 1 cm : 1 m
- 3. 1 : 1000
- 4. 1 ft : 1 mile
- 5. 1 : 100,000
- 6. 1 mm : 1 km
- 7. 1 : 10,000,000

4. Which scale is equivalent to 1 cm to 1 km?

- A. 1 to 1000
- B. 10,000 to 1
- C. 1 to 100,000
- D. 100,000 to 1
- E. 1 to 1,000,000

5. a. Find 3 different ratios that are equivalent to $7 : 3$.
b. Explain why these ratios are equivalent.