

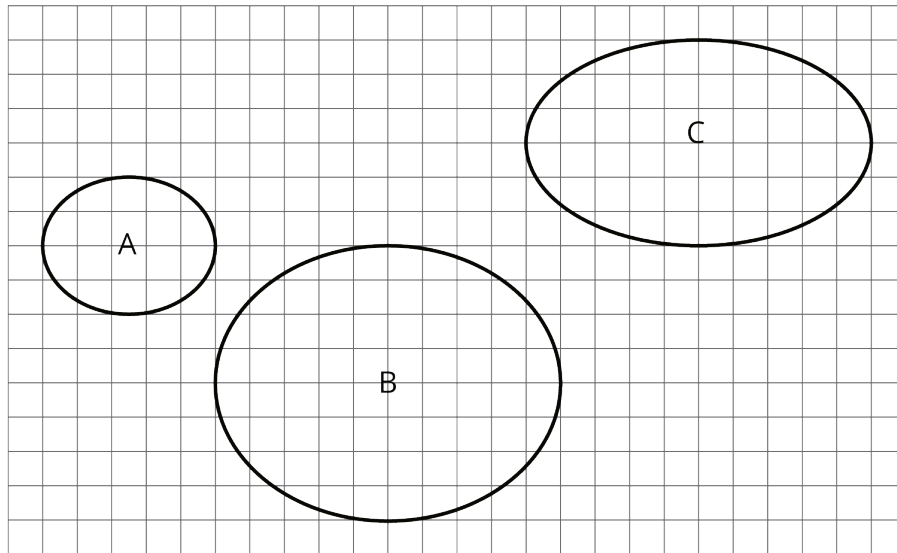
NAME _____

DATE _____

PERIOD _____

Unit 2, Lesson 1: One of These Things Is Not Like the Others

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

(from Unit 1, Lesson 12)

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

(from Unit 1, Lesson 11)

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

(from Grade 7, Unit 2, Lesson 5)