



NAME _____

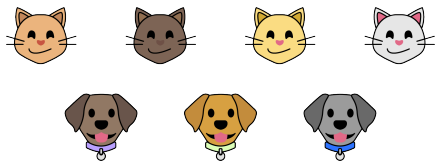
DATE _____

PERIOD _____

Unit 2, Lesson 1**Practice Problems**

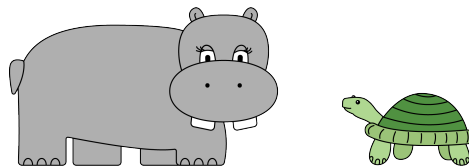
- In a fruit basket there are 9 bananas, 4 apples, and 3 plums.
 - The ratio of bananas to apples is _____ : _____.
 - The ratio of plums to apples is _____ to _____.
 - For every _____ apples, there are _____ plums.
 - For every 3 bananas there is one _____.

- Complete the sentences to describe this picture.



- The ratio of dogs to cats is _____.
- For every _____ dogs, there are _____ cats.

- Write two different sentences that use ratios to describe the number of eyes and legs in this picture.



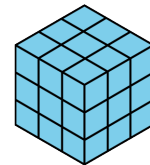
- Choose an appropriate unit of measurement for each quantity.

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- a. area of a rectangle • cm
- b. volume of a prism • cm^3
- c. side of a square • cm^2
- d. area of a square
- e. volume of a cube

5. Find the volume and surface area of each prism.

a. Prism A: 3 cm by 3 cm by 3 cm



b. Prism B: 5 cm by 5 cm by 1 cm



c. Compare the volumes of the prisms and then their surface areas. Does the prism with the greater volume also have the greater surface area?

6. Which figure is a triangular prism? Select **all** that apply.

