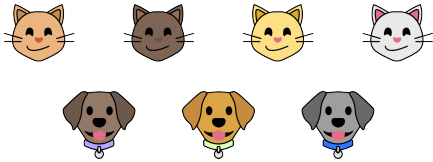## Unit 2, Lesson 1
Practice Problems

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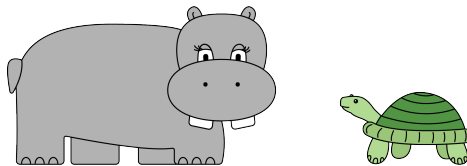
    a. The ratio of bananas to apples is _____ : _____.

    b. The ratio of plums to apples is _____ to _____.

    c. For every _____ apples, there are _____ plums.

    d. For every 3 bananas there is one _____.

2. Complete the sentences to describe this picture.

    a. The ratio of dogs to cats is _____.

    b. For every _____ dogs, there are _____ cats.

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

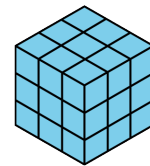4. Choose an appropriate unit of measurement for each quantity.

a. area of a rectangle

b. volume of a prism

c. side of a square

d. area of a square

e. volume of a cube

- cm

- cm^3

- cm^2

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.

A

B

C

D

E