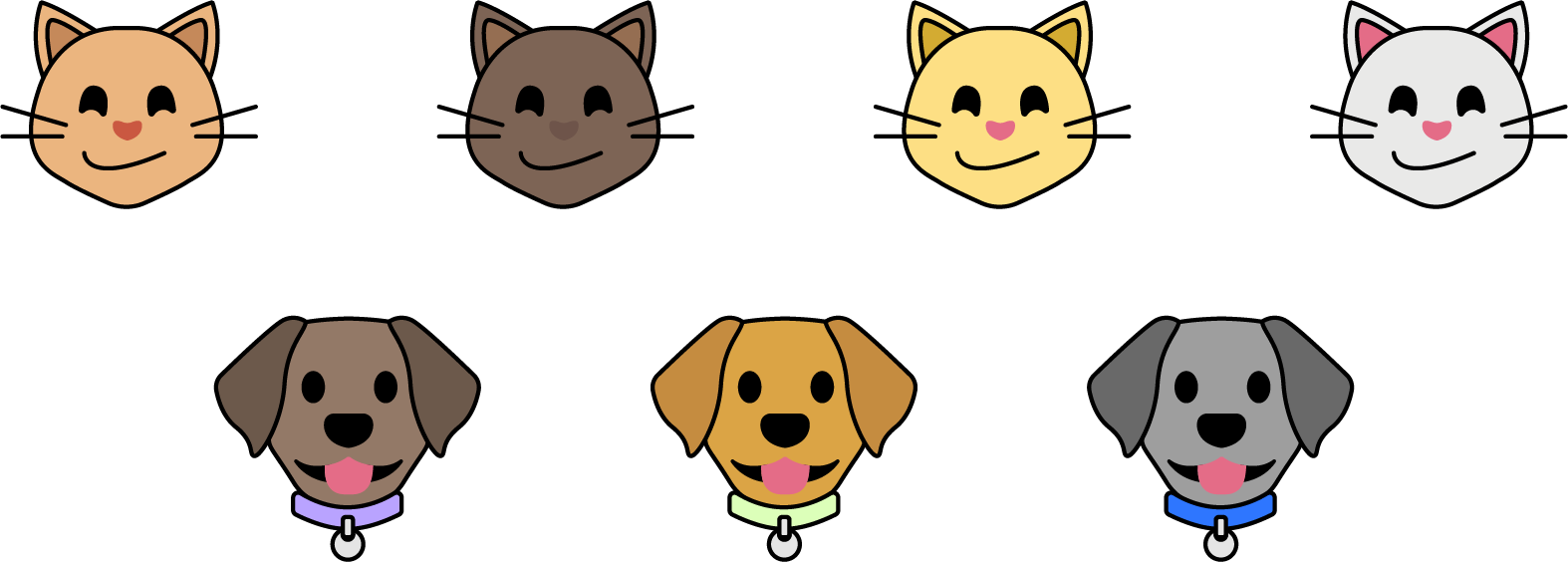
### Lesson 1 Practice Problems

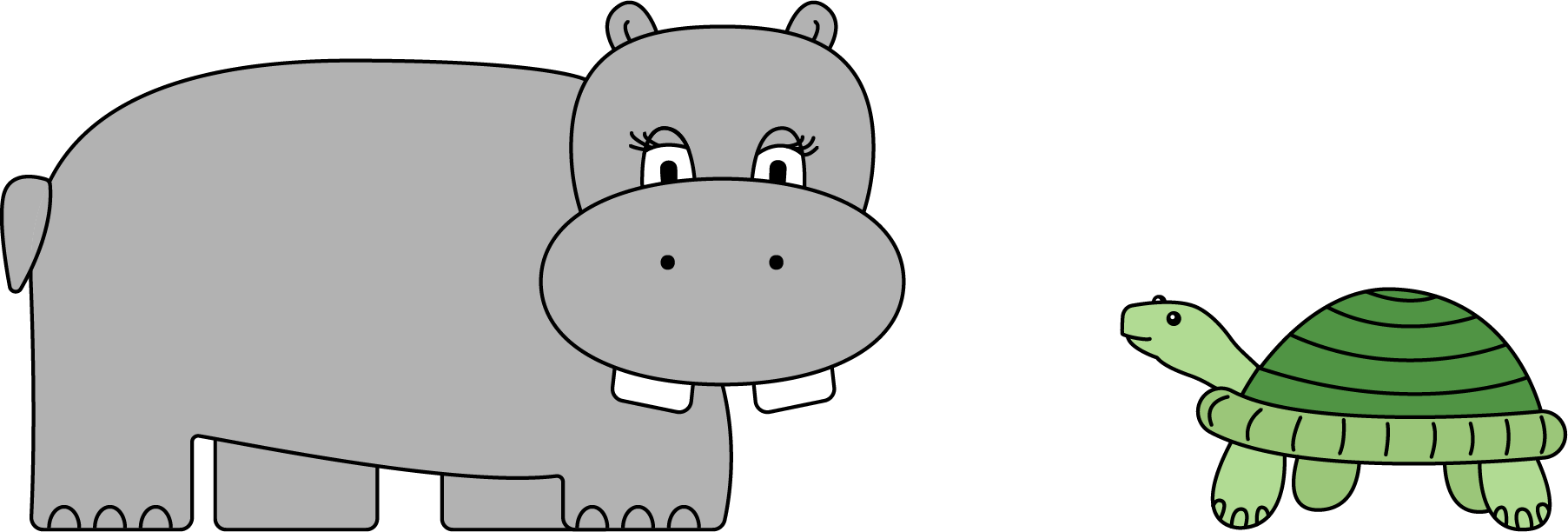
1. In a fruit basket there are 9 bananas, 4 apples, and 3 plums.
   1. The ratio of bananas to apples is \_\_\_\_\_\_\_\_  **:**\_\_\_\_\_\_\_\_.
   2. The ratio of plums to apples is \_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_.
   3. For every \_\_\_\_\_\_\_\_ apples, there are \_\_\_\_\_\_\_\_ plums.
   4. For every 3 bananas there is one \_\_\_\_\_\_\_\_.



1. Complete the sentences to describe this picture.

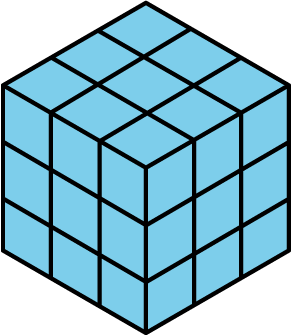
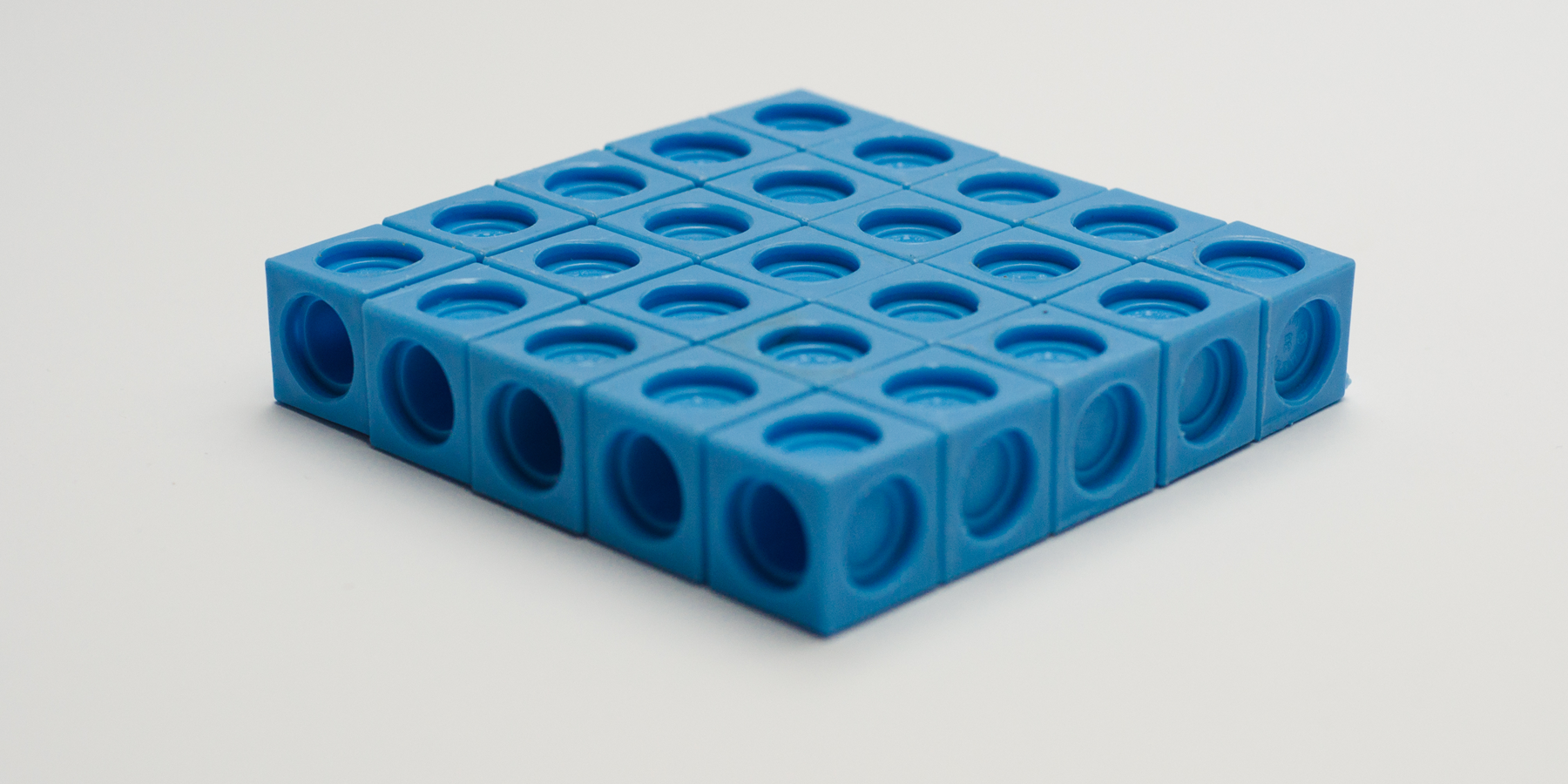
* 
  1. The ratio of dogs to cats is \_\_\_\_\_\_\_\_.
  2. For every \_\_\_\_\_\_\_\_ dogs, there are \_\_\_\_\_\_\_\_ cats.

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

* 

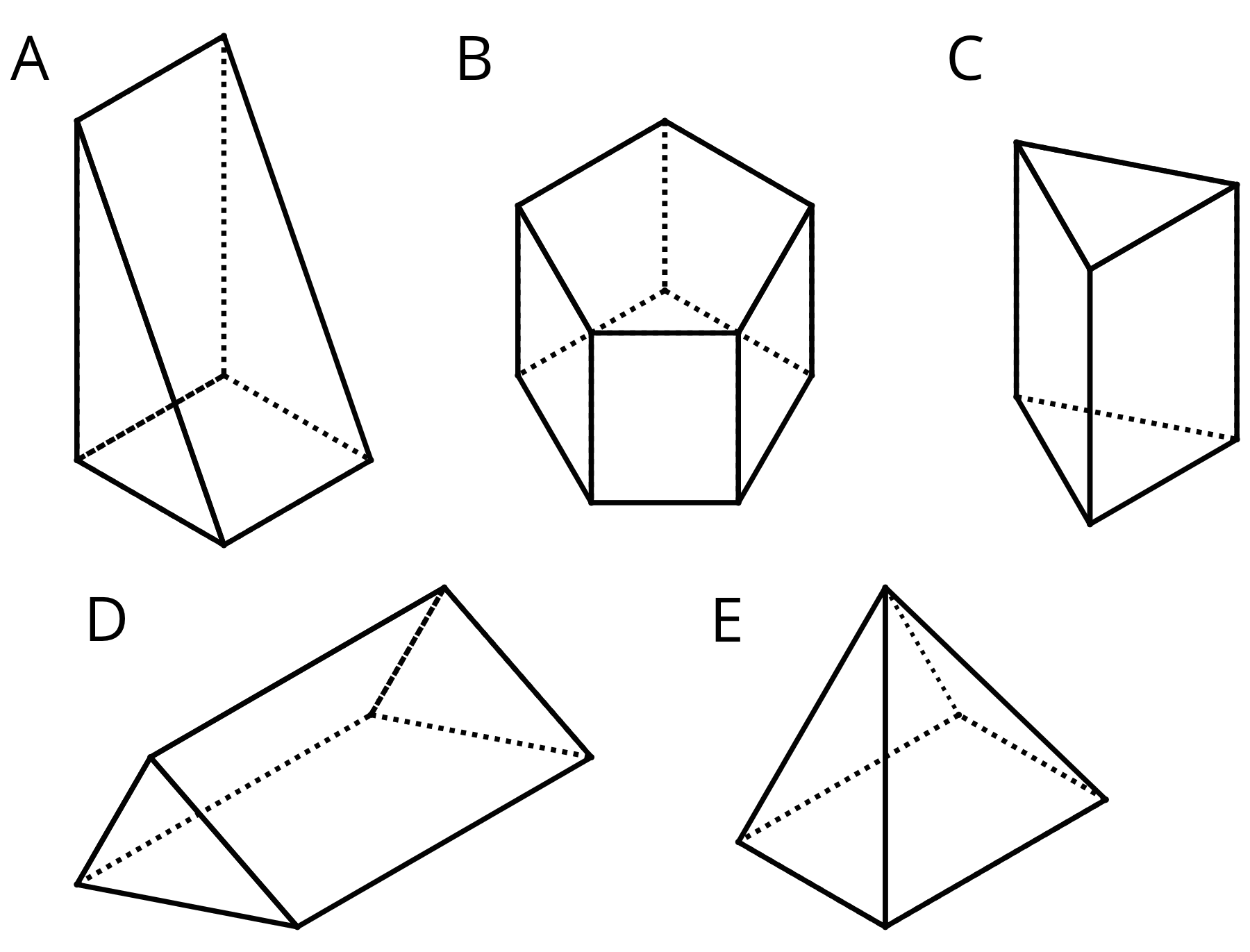
1. Choose an appropriate unit of measurement for each quantity.
   1. area of a rectangle
   2. volume of a prism
   3. side of a square
   4. area of a square
   5. volume of a cube
   * cm
   * cm3
   * cm2

* (From Unit 1, Lesson 17.)

1. Find the volume and surface area of each prism.
   1. Prism A: 3 cm by 3 cm by 3 cm
   * 
   * ​
   1. Prism B: 5 cm by 5 cm by 1 cm
   * 
   1. Compare the volumes of the prisms and then their surface areas. Does the prism with the greater volume also have the greater surface area?

* (From Unit 1, Lesson 16.)

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

* 
  1. A
  2. B
  3. C
  4. D
  5. E
* (From Unit 1, Lesson 13.)



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