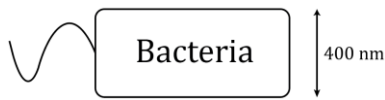
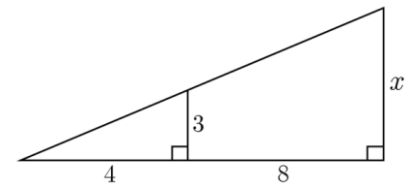


1. How many mm in 5 m?
2. 3 feet = 1 yard and 12 inches = 1 foot. 1 mile = 1760 yards. How many inches in a mile?
3. How Wheels cars are at a scale of 1:64. If the toy car is 4 cm long, how long is it in real life?

4. Below is a diagram of a bacteria cell. Suppose the ruler height of this bacteria is 2 cm. The diagram states that the real height of the bacterial is 400 nm. 1000 nm = 1 micrometer. And 1000 micrometers = 1 mm. Find the scale of this diagram.

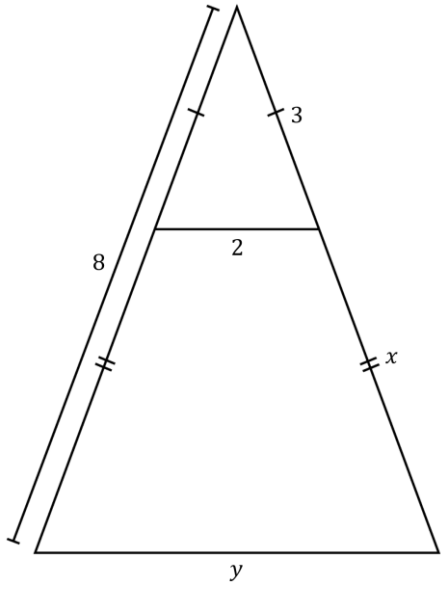


5. Find  $x$  in the diagram below:

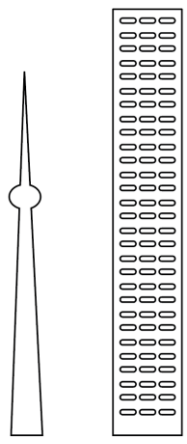


Find  $x$

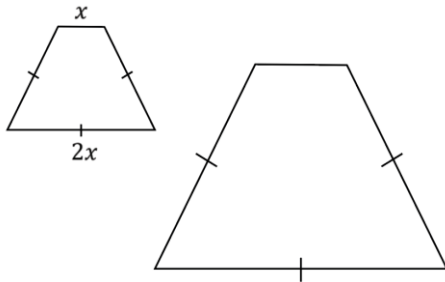
6. Find  $x$  and  $y$  in the diagram below:



7. The CN Tower is about 553 m tall. Suppose the picture of the CN Tower below measures 5.53 cm. Suppose that a picture of a new building that is taller than the CN Tower measures 6.5 cm. How tall is this taller building in real life?



8. The perimeter of the smaller shape below is 21 m.



- a. Given the base of the larger object is double that of the smaller object Find the length of the shortest side of the larger object.
  
  
  
  
  
  
  
  
  
  
- b. Express the perimeter of the smaller object to the perimeter of the larger object as a simplified ratio.

9. Your turn: Find  $x$  in the diagram below:

