



## Englische Übungen zu Maßstäbliches Zeichnen

1. Model airplanes are built in a scale of 1 : 400.
  - a. A model has a length of 45 cm. What is the length of the real airplane?
  - b. An airplane has a length of 85 m. What is the length of its model?

2. Draw the square in a scale of 1 : 2000, with  $a = 0.05$  km.

3. Draw the rectangle in a scale of 1 : 150, with  $a = 12$  m and  $b = 7.5$  m.

## Vocabulary

Englisch	Deutsch
model airplane	Modellflugzeug
in a scale of	im Maßstab von
rectangle	Rechteck
square	Quadrat





## Solutions

1. Model airplanes are built in a scale of 1 : 400.
  - a. A model has a length of 45 cm. What is the length of the real airplane?  
**The length of the real plane is 180 m.**
  - b. An airplane has a length of 85 m. What is the length of its model?  
**The length of the model is 21.25 cm.**
2. **a = 2.5 cm**
3. **a = 8 cm, b = 5 cm**

