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- Scale of an image relates distances on the ground measured in any given units to distances measured in the same units.
- A scale of 1:50,000 means that, if two features are separated by 1 mm on an image, then the two features on the ground are 50,000 mm apart

 * Actual unit does not affect the calculation
- Scale of 1:1 million and 1: 10 million are common for satellite images

Problem

 Two buildings which are 360 m apart separated by 36 mm on image A and 18 mm on image B. Calculate the scale of image A and image B and state which of the two images has larger scale.

Image A: 36/360,000 = 1: 10,000 Image B: 18/360,000 = 1: 20,000 Image A is at a larger scale