Draw a Mountain with Trees: Scale and Placement Cues

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

A mountain silhouette is 12 cm tall from baseline to peak. You want three trees on the left slope with trunk bases at 2 cm, 5 cm, and 8 cm above the baseline. Using hypothetical heights of 8 cm, 5 cm, and 3 cm respectively, check whether each tree's top stays below the peak.

Answer: For the tree with base at 2 cm and height 8 cm, the top is at 2 + 8 = 10 cm, below the 12 cm peak. For the tree with base at 5 cm and height 5 cm, the top is at 5 + 5 = 10 cm, below the peak. For the tree with base at 8 cm and height 3 cm, the top is at 8 + 3 = 11 cm, below the peak. All three trees stay below the peak. If a tree's top exceeded 12 cm, reduce its height or lower its trunk base.