# Pastel Sunset Sky: Gradient and Horizon Blending

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 student marks a horizon at 10 cm from the top on a 20 cm tall sheet. They plan three sky bands of 3 cm, 3 cm, and 4 cm from the horizon upward. They overlap each band by 1 cm. What total height of sky do the three bands cover, and how much overlap is counted twice?

Answer: The three bands total 3 + 3 + 4 = 10 cm. There are two overlaps of 1 cm each, so 2 cm is counted twice. The unique sky height covered is 10 - 2 = 8 cm. Since the horizon is at 10 cm from the top, the sky occupies the upper 10 cm; the bands cover 8 cm of unique height, leaving 2 cm of sky unbanded at the top unless adjusted.