# Pea Pod and Single Pea Drawing: Easy Construction Guide

Original task 1 / independent drawing and calculation

## Task 1

Construct a pea pod 8 cm long with a half-width of 1 cm. Mark two pea centers at 2 cm and 6 cm from the left end. Draw peas of 1.5 cm diameter. Describe the steps and check the spacing.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

## Task 2

Draw a single pea 2.5 cm diameter with light source upper left. Describe the highlight, core shadow, and cast shadow placement. Use a hypothetical cast shadow length of 1 cm.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

## Task 3

Draw a pod-opening variant for a 12 cm pod with three 2 cm peas centered at 3, 6, and 9 cm from the left end. The seam gap is 2.5 cm wide at the center, measured across the pod perpendicular to its centerline. Explain the visibility rule and whether the exact number of exposed peas can be determined from the given measurements; identify any missing opening dimension.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

## Task 4

A student draws a pod with offset curves 1 cm and 2 cm from the centerline. Identify the mistake and describe a fix using a hypothetical half-width of 1.5 cm.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

## Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.