# Drawing Paper and Fabric Folds: Crease and Overlap Construction

Original task 1 / independent drawing and calculation

## Task 1

Use a face-up 8 cm square with origin at the lower-left corner, x measured right and y upward. Label the original quadrants TL, TR, BL, and BR on the face toward you. First fold the right half leftward toward the viewer over the left half along x=4. Then, without unfolding, lift the entire top packet as one unit and fold it downward toward the viewer over the bottom packet along y=4. Record the final front-to-back order of the four original quadrants. Draw the two creases and compression arrows, show visible boundaries solid, and note where original edges are hidden beneath coincident folded edges. Use dashed strokes only for hidden edges at distinct coordinates; do not draw a duplicate on a coincident boundary.

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.

# Drawing Paper and Fabric Folds: Crease and Overlap Construction

Original task 2 / independent drawing and calculation

## Task 2

Draw a jacket sleeve fold in a rectangle 5 cm wide horizontally by 12 cm high vertically (hypothetical). Use the upper-left corner as the origin, x increasing right and y increasing down. Draw the shared ridge/boundary horizontally from (0,6) to (5,6), halfway down. The lower half (y=6..12) bunches in front of the upper half (y=0..6). Draw the ridge as one solid line and two separate, lighter solid valley guides at y=5.5 and y=6.5. Add one compression arrow from (2.5,9) upward toward (2.5,6). The lower/front edge and the upper/behind edge coincide along y=6; draw that shared location once as solid, with no dashed duplicate. No separate hidden path is specified; use dashes only for a distinct hidden path if you add one.

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.

# Drawing Paper and Fabric Folds: Crease and Overlap Construction

Original task 3 / independent drawing and calculation

## Task 3

Draw crumpled paper on a 9 cm by 9 cm square (hypothetical). Crease one runs from the top-left corner to the center, crease two from the center to the top-right corner, and crease three from the center (4.5,4.5) to the bottom midpoint (4.5,0). The top triangular region is front-most; label it “front” and label the lower regions “behind.” Draw the three visible creases as solid lines and add three compression arrows. These shared crease boundaries have no separate hidden-edge paths, so do not add dashed duplicates; use a dashed line only if you specify a distinct hidden path.

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.

# Drawing Paper and Fabric Folds: Crease and Overlap Construction

Original task 4 / independent drawing and calculation

## Task 4

Draw a single crease on a 14 cm by 7 cm fabric rectangle (hypothetical). The crease/ridge runs horizontally 4 cm below the top edge. The top part overlaps the bottom part. Show the soft ridge solid, a separate lighter valley line, and one compression arrow. The top-front and bottom-hidden boundaries coincide at the ridge, so draw one solid line there and no dashed duplicate; use dashed strokes only for a distinct hidden path.

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

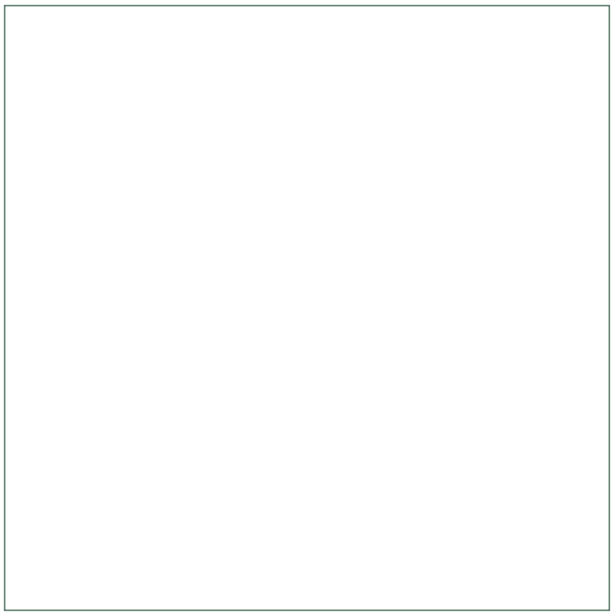
Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.

# Drawing Paper and Fabric Folds: Crease and Overlap Construction

Task 1 / practice

Paper/fabric fold construction / physical mm print 1:1 / no coincident dashed duplicates

Use the original task to add only your own creases, labels, arrows and reasoning. All lines inside this panel are genuinely absent. Record front-to-back order / distinct hidden path, if any: _____ .



ORIGIN lower left; y up

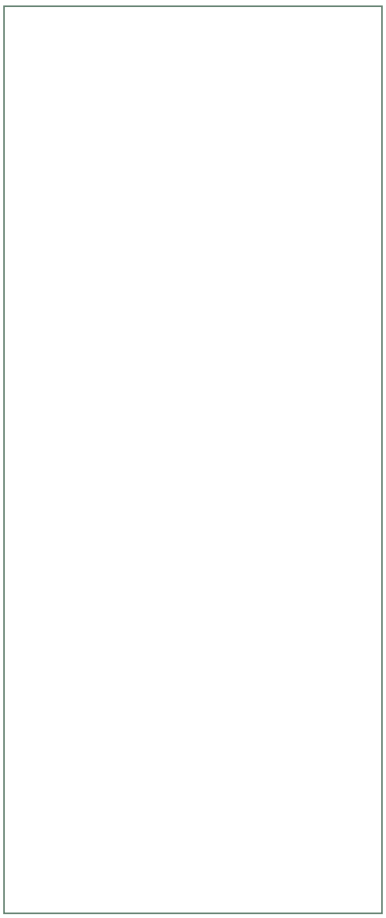
Solid marks the visible shared crease/boundary once. No separate hidden path is specified in these four diagrams, so no dashed duplicate is added. Light filled areas identify the requested front region, not lighting. The sequential packet key reverses the complete moving packet before placing it in front of the receiving packet.

# Drawing Paper and Fabric Folds: Crease and Overlap Construction

Task 2 / practice

Paper/fabric fold construction / physical mm print 1:1 / no coincident dashed duplicates

Use the original task to add only your own creases, labels, arrows and reasoning. All lines inside this panel are genuinely absent. Record front-to-back order / distinct hidden path, if any: _____ .



ORIGIN upper left; y down

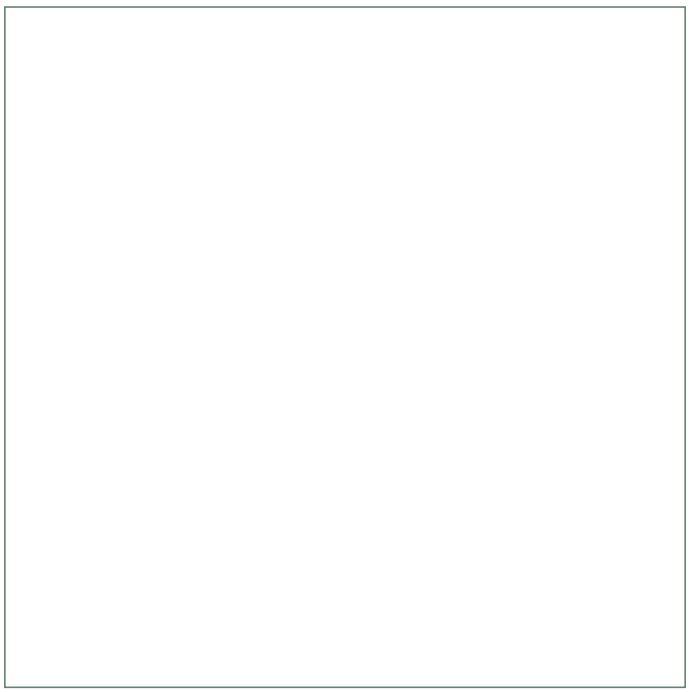
Solid marks the visible shared crease/boundary once. No separate hidden path is specified in these four diagrams, so no dashed duplicate is added. Light filled areas identify the requested front region, not lighting. The sequential packet key reverses the complete moving packet before placing it in front of the receiving packet.

# Drawing Paper and Fabric Folds: Crease and Overlap Construction

Task 3 / practice

Paper/fabric fold construction / physical mm print 1:1 / no coincident dashed duplicates

Use the original task to add only your own creases, labels, arrows and reasoning. All lines inside this panel are genuinely absent. Record front-to-back order / distinct hidden path, if any: _____ .



ORIGIN lower left; y up

Solid marks the visible shared crease/boundary once. No separate hidden path is specified in these four diagrams, so no dashed duplicate is added. Light filled areas identify the requested front region, not lighting. The sequential packet key reverses the complete moving packet before placing it in front of the receiving packet.

# Drawing Paper and Fabric Folds: Crease and Overlap Construction

Task 4 / practice

Paper/fabric fold construction / physical mm print 1:1 / no coincident dashed duplicates

Use the original task to add only your own creases, labels, arrows and reasoning. All lines inside this panel are genuinely absent. Record front-to-back order / distinct hidden path, if any: _____ .



ORIGIN lower left; y up

Solid marks the visible shared crease/boundary once. No separate hidden path is specified in these four diagrams, so no dashed duplicate is added. Light filled areas identify the requested front region, not lighting. The sequential packet key reverses the complete moving packet before placing it in front of the receiving packet.