Coupon Drawing: Border, Value Field, and Cut Lines

Original tasks 1, 2, 3 / complete keys

Task 1

A card is 80 mm by 50 mm. Use a 5 mm border inset. What are the border width and height?

Answer: Border width 70 mm, border height 40 mm.

Reason: Subtract twice the inset from each dimension: 80 minus 10 equals 70; 50 minus 10 equals 40.

Check: Measure the border rectangle and confirm 70 mm by 40 mm, and confirm 5 mm gaps on all four card edges.

Task 2

Inside a border that is 70 mm wide, a value field is 40 mm wide and centred. What is the gap on each side?

Answer: 15 mm on each side.

Reason: The remaining width is 70 minus 40 equals 30 mm; half of 30 mm is 15 mm.

Check: Measure both side gaps from the value field to the border and confirm each is 15 mm.

Task 3

A dashed cut line uses 5 mm dashes and 3 mm gaps. How long is a repeating unit of one dash plus one gap, and how many complete units fit in 40 mm?

Answer: One unit is 8 mm; five complete units fit in 40 mm.

Reason: Add dash and gap: 5 plus 3 equals 8 mm. Divide 40 by 8 to get 5.

Check: Measure a dash and a gap, add them, then count five complete dash-gap units along the 40 mm line.

Coupon Drawing: Border, Value Field, and Cut Lines

Original tasks 4 / complete keys

Task 4

A coupon card is 90 mm by 55 mm with a 5 mm border inset. The value field is 45 mm by 16 mm, centred horizontally, with a 10 mm top gap inside the border. What are the left and right gaps inside the border, and what is the bottom gap inside the border?

Answer: Left and right gaps are 17.5 mm each; bottom gap is 19 mm.

Reason: Border width is 90 minus 10 equals 80 mm; 80 minus 45 equals 35 mm; half of 35 mm is 17.5 mm, so each side gap is 17.5 mm. Border height is 55 minus 10 equals 45 mm; 45 minus 16 minus 10 equals 19 mm bottom gap.

Check: Measure the border, value field, and gaps; confirm the side gaps are equal and the top plus field height plus bottom gap equals the border height.

Coupon Drawing: Border, Value Field, and Cut Lines

Source rubric / reflection

- [ ] Border is a closed solid rectangle inset from the card edge with equal gaps on all four sides.
- [ ] Value field is a solid rectangle inside the border, does not overlap the border, and has even gaps.
- [ ] Cut lines are dashed, straight, outside the border, and have consistent dash and gap lengths.
- [ ] Value text is legible, centred in the field, and uses a consistent numeral style with x-height from baseline to midline.
- [ ] Measurements are recorded and match the planned layout within the chosen tolerance.

Reflection: What did you check, what did you change, and what will you try next?