PS Controller Drawing: Button Layout, Grips and Cable

Original tasks 1, 2, 3 / complete keys

Task 1

Describe where to place the directional pad and the four action buttons relative to the midline and the top line, using the hypothetical measurements from the lesson.

Answer: The directional pad is centered 3 cm left of the midline and 2 cm below the top line. The four action buttons are centered 3 cm right of the midline on the same horizontal line, placed at top, bottom, left and right with each button center 1.2 cm from the diamond center (opposite centers 2.4 cm apart, adjacent centers about 1.7 cm apart).

Reason: The lesson fixes a button center line 2 cm below the top line and places the directional pad and action button centers on it, 3 cm either side of the midline.

Check: Measure from the midline to each center and from the top line to the button center line; both should match the stated values.

Task 2

A drawing shows the four action buttons in a square with 1.2 cm sides. Explain the mistake and give the correction.

Answer: The buttons should form a diamond, not a square. Mark the diamond center, then place the four buttons at top, bottom, left and right around it with equal spacing.

Reason: The lesson requires a diamond arrangement for the four action buttons; a square changes the grouping and spacing.

Check: Check that the four button centers lie at the top, bottom, left and right of a common center point with equal distances.

Task 3

Describe how to draw the cable so it passes the check, including where it starts and how it ends.

Answer: Start the cable at the top center dip, draw a smooth single curve 6 cm long toward the upper right, and end it in a small rounded plug shape 1 cm long. The cable must not cross the body outline.

Reason: The lesson places the cable exit at the top center dip and requires a smooth curve ending in a simple plug without crossing the body.

Check: Trace the cable from the dip to the plug; confirm it is a single even-thickness curve that stays outside the body outline.

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Original tasks 4 / complete keys

Task 4

A student draws grips that extend only 2 cm down and curve straight outward. State whether this meets the lesson and explain the fix.

Answer: No. The grips should extend at least 4 cm down and curve outward then inward to a rounded tip. Redraw each grip longer and add the inward curve to the tip.

Reason: The lesson specifies grips that extend downward at least 4 cm and end in rounded tips after curving outward then inward.

Check: Measure the downward length of each grip and check that the tip curves inward rather than ending straight.

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Source rubric / reflection

- [ ] Body outline is centered on the midline and wider than it is tall.
- [ ] Two grips extend downward from the lower body and end in rounded tips.
- [ ] Directional pad is on the left and shows four clear directions.
- [ ] Four action buttons form a diamond on the right with equal spacing.
- [ ] Directional pad center and action button center lie on the same horizontal line.
- [ ] Two small central buttons sit between the directional pad and the action buttons.
- [ ] Cable leaves the top center dip, curves smoothly and ends in a simple plug.
- [ ] Button labels are legible and consistent in style; any valid style is accepted.

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