Stylized Figure Drawing: Exaggerated Upper-Body Proportion

Original tasks 1, 2, 3 / complete keys

Task 1

Draw a figure of total height 10 units. Place the hip at 4 units, the knee at 2.5 units, and the ankle at 1 unit above the foot baseline. Label the landmarks.

Answer: The upper-body zone is $10-4=6$ units; the leg zone is $4-0=4$ units. The knee at 2.5 is halfway between the hip at 4 and ankle at 1.

Reason: Top-of-head-to-hip and hip-to-baseline are disjoint intervals that meet at the hip. Since $6>4$, the figure is top-heavy by this worksheet rule.

Check: Subtract hip height from total height for the upper zone, and compare hip height to the baseline for the leg zone. Confirm $6>4$ and that the knee lies midway between hip and ankle.

Task 2

A figure has total height 9 units, hip at 3 units, knee at 1.5 units, and ankle at 0.5 units above the foot baseline. Calculate both zones and decide whether the upper-body zone is larger.

Answer: Upper-body height is $9-3=6$ units. Leg-zone height is $3-0=3$ units. The upper-body zone is larger.

Reason: The two zones share the hip boundary and cover the full 9-unit height. The knee and ankle both lie within the 3-unit leg zone.

Check: Verify $6+3=9$ and compare 6 with 3.

Task 3

Draw a neutral and an exaggerated figure side by side, each 8 units tall with a foot baseline at 0. Put the neutral hip at 4 and the exaggerated hip at 3. Label the hip, knee, and ankle.

Answer: Neutral: upper-body $8-4=4$ and leg zone 4. Exaggerated: upper-body $8-3=5$ and leg zone 3. A valid alternative is to change arm or clothing shapes while keeping those landmarks.

Reason: Both figures have the same total height. Moving the second hip upward increases its upper-body zone and shortens its leg zone without overlap.

Check: Check that each pair of zone lengths adds to 8, that the neutral zones are equal, and that the exaggerated upper-body zone is greater than its leg zone.

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Original tasks 4 / complete keys

Task 4

A student reports an upper-body zone of 4 units and a leg zone of 5 units in a 9-unit figure. Identify the issue and give one correction while keeping total height 9.

Answer: The figure is not top-heavy under this worksheet rule because 4<5. Move the hip up one unit: the upper-body zone becomes 5 and the leg zone becomes 4.

Reason: For fixed total height 9, the zones must add to 9 and share the hip boundary. Raising the hip increases the top-of-head-to-hip measurement and reduces the leg-zone measurement.

Check: Recalculate both zones after moving the hip; confirm they add to 9 and the upper-body measurement is greater.

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Source rubric / reflection

- [ ] Upper-body zone is measured from top of head to hip and leg zone from hip to foot baseline.
- [ ] Both zones use the same unit and meet at the hip without overlap.
- [ ] The exaggerated figure has an upper-body zone larger than its leg zone.
- [ ] Head, shoulder, waist, hip, knee, ankle, and foot landmarks are labeled.
- [ ] Valid style, arm, and clothing alternatives are accepted if measurements remain clear.

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