Miner Drawing Easy: Helmet, Tool Placement and Pose

Original tasks 1, 2, 3 / complete keys

Task 1

A head is 4 cm tall. The brim is placed 1.5 cm below the top of the head. The eyes are at the midline, 2 cm from the top. Does the brim sit above the eyes?

Answer: Yes. The brim is at 1.5 cm from the top, and the eyes are at 2 cm from the top, so the brim is above the eyes by 0.5 cm.

Reason: Compare the brim position to the eye position using the same reference, the top of the head. Subtract 1.5 from 2 to find the gap.

Check: Mark both distances on a light vertical line and confirm the brim mark is higher than the eye mark.

Task 2

A tool handle is 8 cm long. The head height is 4 cm. Using the hypothetical two-body-unit tool length, is the handle the expected length?

Answer: Yes. Two body units equal 2 times 4 cm, which is 8 cm, so the handle matches the hypothetical length.

Reason: Multiply the head height by two and compare the result to the handle length.

Check: Measure the handle and the head height with the same ruler and confirm the handle is twice the head height.

Task 3

A learner draws the tool handle entering the wrist and pointing sideways. Name the placement error and give one fix.

Answer: The error is that the handle passes through the wrist instead of the palm. Fix it by redrawing the handle as a narrow rectangle through the palm and wrapping the fingers around it.

Reason: A readable grip requires the handle to sit inside the hand shape, not across the wrist joint.

Check: Trace the handle line and confirm it ends inside the hand outline, with the thumb and fingers on opposite sides.

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Original tasks 4 / complete keys

Task 4

A figure uses eight body units of 2 cm each. The shoulder mark is at 1.5 units and the hip mark is at 4 units. What are the shoulder and hip distances from the top in centimeters?

Answer: The shoulder is 3 cm from the top and the hip is 8 cm from the top.

Reason: Multiply the unit count by the unit length: 1.5 times 2 equals 3, and 4 times 2 equals 8.

Check: Measure the marks on the vertical line and confirm they match 3 cm and 8 cm using the same ruler.

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Source rubric / reflection

- [ ] Helmet dome covers the top half of the head and the brim sits above the eyebrow line.
- [ ] Lamp is centered on the dome and proportionate to the head width.
- [ ] Tool handle passes through the palm, not the wrist, and the grip is readable.
- [ ] Pose has one foot forward, level shoulders and a relaxed free arm.
- [ ] Clothing shows one shirt, one pair of trousers and two boots with few short fold lines.
- [ ] Figure proportions use consistent body units and checkable arithmetic.
- [ ] Valid alternatives are accepted when the helmet, grip and pose checks pass.

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