Draw a Cartoon Elf: Pointed Hat, Ears, and Boots

Original tasks 1, 2, 3, 4 / complete keys

Task 1

A cartoon elf is 10 cm tall. The head is one quarter of the total height. What is the head height in centimeters?

Answer: 2.5 cm

Reason: Divide 10 cm into four equal parts: 10 divided by 4 equals 2.5 cm.

Check: Multiply 2.5 cm by 4 to confirm the total is 10 cm.

Task 2

The head circle is 3 cm tall. The hat tip is 4.5 cm above the hat band. What is the total height from the bottom of the head to the hat tip?

Answer: 7.5 cm

Reason: Add the head height and the hat height above the band: 3 cm plus 4.5 cm equals 7.5 cm.

Check: Subtract 3 cm from 7.5 cm to confirm the hat height is 4.5 cm.

Task 3

An elf figure is 14 cm tall. The hat band sits 2 cm below the top of the head. The hat tip is 5 cm above the band. How far is the hat tip from the top of the head?

Answer: 3 cm

Reason: The band is 2 cm below the top, and the tip is 5 cm above the band. Subtract the 2 cm gap: 5 cm minus 2 cm equals 3 cm above the top of the head.

Check: Add 2 cm and 3 cm to confirm the tip is 5 cm above the band.

Task 4

Each boot cuff is 1.5 cm tall. The sole line is 0.5 cm above the bottom of the boot. If the boot is 4 cm tall from bottom to cuff top, what is the height from the sole line to the cuff top?

Answer: 3.5 cm

Reason: The sole line is 0.5 cm above the bottom, so subtract that from the 4 cm boot height: 4 cm minus 0.5 cm equals 3.5 cm.

Check: Add 0.5 cm and 3.5 cm to confirm the total boot height is 4 cm.

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Source rubric / reflection

- [ ] Pointed hat is clearly tapered to a tip and reads at a small size.
- [ ] Ears are attached to the head, pointed, and similar in size, with allowed variation in tip angle.
- [ ] Boots include at least one detail such as a cuff, sole line, strap, or fold.
- [ ] Body proportions are balanced and construction lines are cleaned up.
- [ ] Valid stylistic alternatives are accepted if the three signature features remain recognizable.

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