Chalk Contour Drawing: Blind and Continuous-Line Comparison

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

Task 1

You draw a shoe in blind contour for 45 seconds and in continuous-line contour for 45 seconds. What is the total practice time in seconds and in minutes?

Answer: 45 plus 45 equals 90 seconds; 90 divided by 60 equals 1.5 minutes.

Reason: Add the two timer values, then divide by 60 to convert seconds to minutes.

Check: Re-add 45 and 45 to get 90, then check that 90 divided by 60 is 1.5.

Task 2

Your paper is 20 cm wide and 30 cm tall. You divide it into two equal boxes with a vertical line. What is the width of each box in centimetres?

Answer: Each box is 10 cm wide.

Reason: A vertical dividing line splits the width into two equal parts; 20 divided by 2 equals 10.

Check: Multiply 10 by 2 to get 20, which matches the paper width.

Task 3

In your blind box you note two hesitant marks and three confident marks. In your continuous box you note one continuous line and one hesitant mark. Which box has more hesitant marks, and by how many?

Answer: The blind box has more hesitant marks, by one.

Reason: Blind has two hesitant marks; continuous has one; two minus one equals one.

Check: Count the hesitant marks in each note and subtract the smaller number from the larger.

Task 4

You repeat both variants three times with 30 seconds per attempt. What is the total practice time in seconds and in minutes?

Answer: Each repeat is 30 plus 30 equals 60 seconds. Three repeats give 60 times 3 equals 180 seconds, or 3 minutes.

Reason: Add the two attempts per repeat, multiply by the number of repeats, then divide by 60.

Check: Check that 60 times 3 equals 180, and that 180 divided by 60 equals 3.

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Source rubric / reflection

- [ ] Blind contour: eyes stayed on the object for the full timer; note describes line speed and pressure.
- [ ] Continuous-line contour: chalk stayed on the paper for the full timer; note describes continuity and crossings.
- [ ] Comparison box: two short notes use convention words and answer the three check questions.
- [ ] Arithmetic: timer values are recorded in seconds and the total is converted to minutes correctly.
- [ ] Valid alternatives: any object with clear edges is acceptable; any steady timer value is acceptable if used for both variants.

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