How to Draw a Combusken Pixel Character on Graph Paper

Original task 1 / independent drawing and calculation

Task 1

A pixel character is planned in a bounding box 10 squares wide and 14 squares tall. The color key has three colors. After coloring, the counts are 50 squares of color A, 40 squares of color B, and 30 squares of color C. Does the total match the bounding box? Show the arithmetic.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

On row 7 of a symmetric pixel character, the centerline column is counted as part of the left side. The left side has 6 colored squares including the centerline, and the right side has 5 colored squares. Is the row symmetric under this counting rule? If not, state one correction.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

Task 3

A student measures one graph-paper square as 4 mm. The character is 18 squares tall. What is the drawn height in millimeters? If the student later measures a different square as 5 mm, what would the height be? Label both values as hypothetical examples.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

A color key lists R for red, O for orange, and K for black. A student colors 12 red squares, 24 orange squares, and 8 black squares. The planned total inside the bounding box is 50 squares. How many squares are unaccounted for, and what is one checkable next step?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

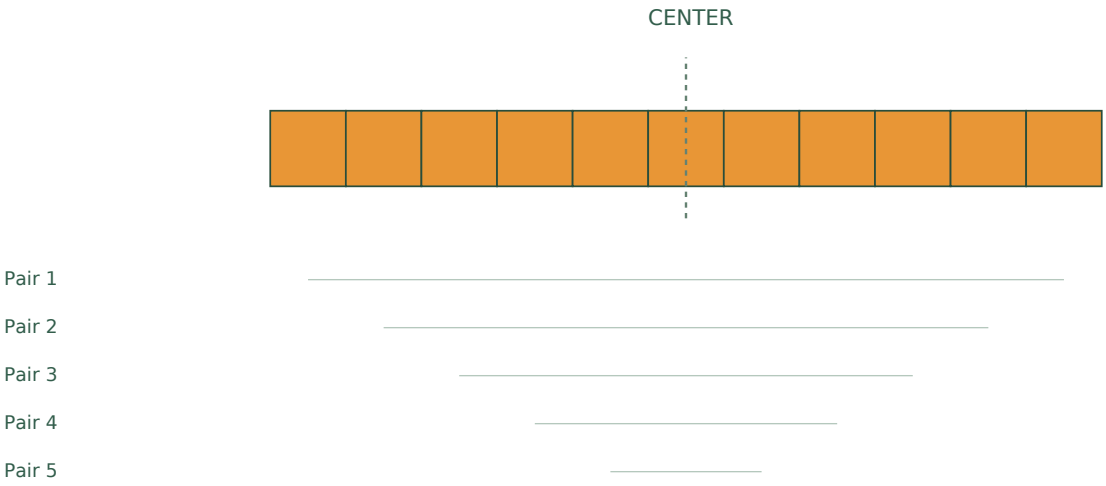
Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.

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Task 2 / practice

Counted original pixel drawing / chosen cell sizes are labelled / not a game-sprite copy



GIVEN eleven-cell row: count it under the prompt rule and test each mirrored pair.

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Task 3 / practice

Counted original pixel drawing / chosen cell sizes are labelled / not a game-sprite copy

Independent drawing / record your own construction and counts.

