Phalanx Formation Drawing: Overlapping Shields and Spear Angles

Original task 1 / independent drawing and calculation

Task 1

On a 12 cm ground line, place four row marks evenly so they define three equal intervals. What is the spacing between adjacent marks?

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

A shield is 3 cm wide with a 1 cm overlap. What is the visible width of each shield after overlap?

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.

Phalanx Formation Drawing: Overlapping Shields and Spear Angles

Original task 3 / independent drawing and calculation

Task 3

A row has spears at 10 degrees forward from vertical. If you draw four spears, how many different angles should appear in that row?

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

You have a 20 cm ground line and want four shields per row with a 2 cm overlap. If each shield is 5 cm wide, what total ground length do the shields cover before overlap?

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.