Draw and Compare Three Arrow Variants: Shaft, Head and Fletching

Original task 1 / independent drawing and calculation

Task 1

Draw a hunting arrow with a shaft 12 cm, a two-blade head 2.5 cm long and 1.5 cm wide, and three fins 3.5 cm long and 1.5 cm tall. Label the three parts and write a construction note in centimetres.

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

Draw a flu-flu arrow with a shaft 12 cm, a blunt head 1 cm long and 1.5 cm wide, and six fins 4 cm long and 2 cm tall. Label the parts and write one sentence comparing its fletching with a three-fin target arrow.

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

In a blank frame, design a new arrow that combines a narrow triangular head 2 cm long and 1 cm wide with five fins 3 cm long and 1.5 cm tall. Use a 12 cm shaft. Label the parts, write a construction note, and state one way your design differs from the target arrow in the lesson.

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.

Draw and Compare Three Arrow Variants: Shaft, Head and Fletching

Original task 4 / independent drawing and calculation

Task 4

A student draws three arrows but uses 12 cm, 10 cm and 14 cm shafts, then writes a comparison saying the hunting arrow has a broader head. Explain what is wrong with the comparison and describe how to correct the drawing and the sentence.

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.