Bumblebee Drawing: Wing, Stripe, and Leg Construction

Original tasks 1, 2 / independent work

Task 1

A bumblebee drawing has abdomen bands of widths 0.3, 0.7, 0.4, 0.5, and 0.6 units. Find the widest and narrowest bands, compute the ratio, and state whether the stripes pass the 2:1 check.

Task 2

A student plans a bee with head width 1 unit, thorax width 1.2 units, and abdomen width 1.8 units. The drawn abdomen is 2.5 units long and the head is 1 unit long. Check whether the abdomen is about twice the head length and whether the widths match the plan.

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Original tasks 3, 4 / independent work

Task 3

A drawing shows two wings attached at the abdomen and four legs attached to the thorax. Identify the construction errors and state the corrections.

Task 4

A practice bee has body ovals that overlap, five alternating bands with widths 0.5, 0.5, 0.6, 0.5, and 0.5 units, two wings at the thorax, and six legs with one pair crossing. List which rubric items pass and which fail, then give one fix.