Draw a Balance Beam Scale: Fulcrum, Sliding Weight, and Graduated Beam

Original task 1 / independent drawing and calculation

Task 1

Draw a balance beam scale with a 12 cm beam and 6 equal graduations. Place the fulcrum at the midpoint and the sliding weight at graduation 2 from the left. Label all three parts.

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 a Balance Beam Scale: Fulcrum, Sliding Weight, and Graduated Beam

Original task 2 / independent drawing and calculation

Task 2

Draw a balance beam scale with a 9 cm beam and graduations every 1.5 cm. Place the sliding weight at the third graduation from the right. Use a trapezoidal fulcrum and label the pointer.

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 a Balance Beam Scale: Fulcrum, Sliding Weight, and Graduated Beam

Original task 3 / independent drawing and calculation

Task 3

Draw a balance beam scale with a 10 cm beam and a scale numbered from 0 at the center to 5 at each end. Place the sliding weight 2 cm to the right of center. Label the fulcrum and the graduated beam.

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 a Balance Beam Scale: Fulcrum, Sliding Weight, and Graduated Beam

Original task 4 / independent drawing and calculation

Task 4

Draw a balance beam scale with an 8 cm beam and 4 equal graduations. Place the fulcrum at the midpoint and the sliding weight at graduation 3 from the left. Add a ground line and a direction arrow for the sliding weight.

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.