Draw Tower Bridge: Twin Towers, Chains, and Bascule Span

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

On a 30 cm wide paper, place two towers 3 cm wide with a 6 cm bascule span between them. Tower height is 12 cm. Mark the walkway 2 cm below the tower tops. Mark abutments 5 cm outside each tower. Describe the chain endpoints and check the span width.

Answer: The inner tower edges are 6 cm apart, so the bascule span is 6 cm wide. The walkway level is 10 cm above the baseline (12 cm minus 2 cm). Each chain starts at 10 cm on its tower and ends at an abutment 5 cm outside the tower. Check: total width from left abutment to right abutment is 5 + 3 + 6 + 3 + 5 = 22 cm, which fits on 30 cm paper.