Line Drawing of a Barn: Roof, Walls, and Door Construction

EXERCISE 1 / PRACTICE

Draw a line barn with a trapezoid roof. Use a baseline 10 cm, wall height 6 cm, ridge line 4 cm long centered 2 cm above the wall top, and a door 3 cm wide by 2.5 cm tall centered on the baseline. Describe the final line set.

Use the blank frame for your own construction at the stated 1:1 dimensions. For an error-checking task, identify the error from the given measurements, record your fix, then draw one corrected barn in the frame. Record baseline, wall height, midline, roof and door measurements. The separate answer diagrams are printed at 1:2 scale.

My measurements and check: _____
_____

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EXERCISE 2 / PRACTICE

A barn drawing has a baseline 12 cm, walls 7 cm tall, a triangle roof peak 4 cm above wall top, and a door 4 cm wide by 5 cm tall. Identify one proportion problem and state a fix.

Use the blank frame for your own construction at the stated 1:1 dimensions. For an error-checking task, identify the error from the given measurements, record your fix, then draw one corrected barn in the frame. Record baseline, wall height, midline, roof and door measurements. The separate answer diagrams are printed at 1:2 scale.

My measurements and check: _____
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EXERCISE 3 / PRACTICE

Draw a line barn with baseline 9 cm, walls 5 cm, triangle roof peak 3 cm above wall top, and door 2 cm wide by 2.5 cm tall. Check whether the door top is below the midline and whether the door is centered.

Use the blank frame for your own construction at the stated 1:1 dimensions. For an error-checking task, identify the error from the given measurements, record your fix, then draw one corrected barn in the frame. Record baseline, wall height, midline, roof and door measurements. The separate answer diagrams are printed at 1:2 scale.

My measurements and check: _____
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EXERCISE 4 / PRACTICE

Create a line barn with a triangle roof and a door. Use baseline 8 cm, walls 4 cm, peak 2 cm above wall top, and door 1.5 cm wide by 1.5 cm tall. List the final lines and one valid alternative roof style.

Use the blank frame for your own construction at the stated 1:1 dimensions. For an error-checking task, identify the error from the given measurements, record your fix, then draw one corrected barn in the frame. Record baseline, wall height, midline, roof and door measurements. The separate answer diagrams are printed at 1:2 scale.

My measurements and check: _____
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