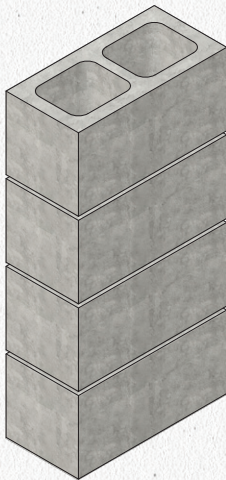


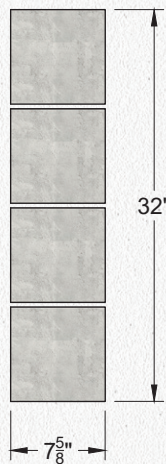
JUNIOR BLOCK LAYER CONTEST: BEGINNER GUIDELINES

The Beginner Level Junior Block Layer is a timed contest that is based on the quickest completed laying of 4–8" CMU stacked directly on top of each other. This timed contest will also be judged on the height of the 4 blocks laid, level on the top block, and plumb of the left face side of the block. **Lowest score wins!**

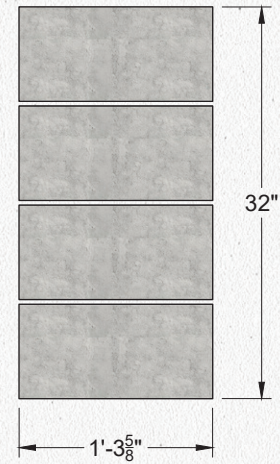
Isometric View



Left End



Front Elevation



SCORING

TIME

Students will earn a score based on their completion time.

Under 1 min. = 0 pts.

1:00–1:30 min. = 2 pts.

1:30–2:00 min. = 4 pts.

2:00–2:30 min. = 6 pts.

2:30–3:00 min. = 8 pts.

3:00–3:30 min. = 10 pts.

3:30–4:00 min. = 12 pts.

4 plus min. = 15 pts.

HEIGHT

Judges will check the height on the left front corner of the block laid. The correct height is 32". For each $\pm 1/16$ " variance in height, 1 point will be added to the score.

LEVEL

Students will also earn a score for level on the top block laid. If the block is not level, a step gauge will be inserted at the greatest deviation. There will be 1 point given for each $1/16$ " deviation (each notch on the step gauge is $1/16$ ").

PLUMB

Judges will check for plumb on the left front side of the block laid (face of block will be determined by the side of the wall that the mortar board is on). A step gauge will be inserted at the greatest deviation. There will be 1 point given for each $1/16$ " deviation (each notch on the step gauge is $1/16$ ").

SAFETY

The judges will add a point for every safety violation observed during the competition. See the other side for guidelines and potential violations.



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CONTEST NOTES

- This contest can be run one of two ways:
 - First, by allowing contestants to use the full array of hand tools such as trowel, 4' level, modular rule, jointer, brush, etc.
 - Alternatively, by only allowing contestants to use a trowel. This method will teach hand-eye coordination and challenge the contestant to hit a measurable mark using their eyes.
- Each contestant's workspace should be 8' x 8'.
- The judge will need a stopwatch, 4' level, rule or tape, and a step gauge.
- Contestants will be required to cut the excess mortar off of the bed joint on each block laid.
- Upon project and/or contest completion, contestants must leave their 4' level, square, rule or tape, and station number on top of their project.
- Tiebreaker: The tiebreaker for the contest will be plumb. If needed, the next tiebreaker will be level, and measurements, in that order.

SAFETY

- All contestants will be monitored throughout the competition for safe work practices. Safe work practices include the following:
 1. Safety glasses are to be worn for the entire contest.
 2. Hard sole shoes (work boots) are required. No sneakers or open-toed shoes are allowed.
 3. Tools should not be left on the floor as they may cause a tripping hazard. Any tools not in use should be stored in the extra 8" CMU given.
 4. NO electronic devices will be allowed (i.e., cellphones, earbuds, smartwatches, etc.)

TOOLS AND SUPPLIES

SUPPLIED BY PARTICIPANT

- Trowel/trowels
- Levels (24" and 48")
- "S" jointers (round jointer)
- Sled runner jointer
- Brick hammer
- 6-foot folding rule or tape measure
- Tool bag
- Pencil
- Square
- Brush
- Brick chisel
- Line and line blocks
- Safety glasses

SUPPLIED BY EVENT HOST

- Mortar mixer and tenders mixing mortar
- Hose
- Water drums
- Mortar pans, boards, pails and wheelbarrows
- Mortar hoes
- Square-nosed, short-handled shovels
- Sand
- Masonry mix or ready-mixed mortar
- Tyvek or suitable area covering
- CMU materials
- Safety glasses