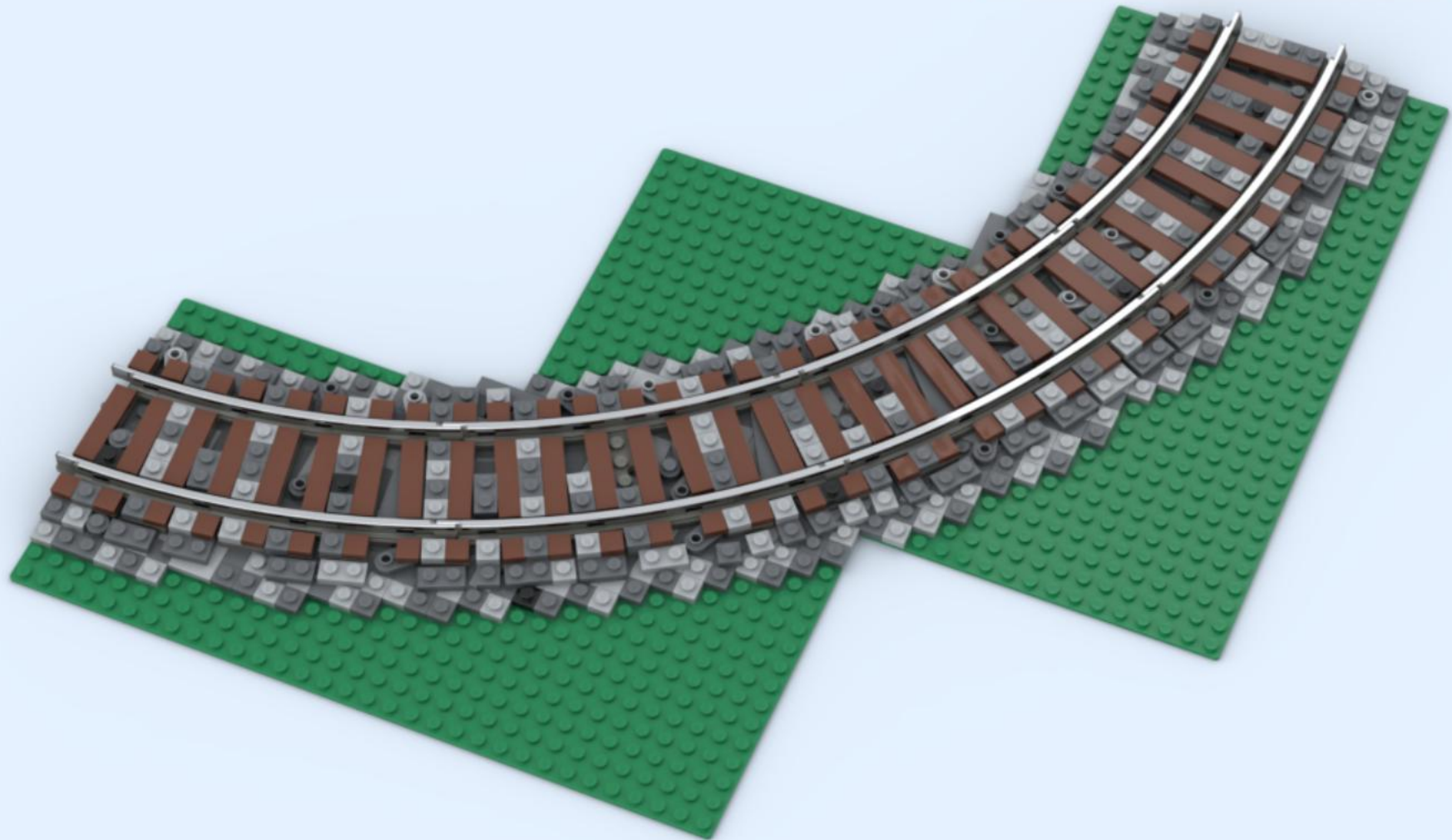


Puget Sound Lego Train Club R40 Curve Ballest Standard

Design by: Derek Schin

Instructions by: John Sherman



Model Notes

The PSLTC Ballast Standard:

Presented here are instructions for 90-degrees of ballasted Lego standard R40 curves with the curves one plate above the baseplates. For consistency in layouts and build integration, the Puget Sound Lego Train Club (PSLTC) uses the one-plate standard for its ballasted track. This is different than the two-plate and MILS standards used by many other clubs and builders.

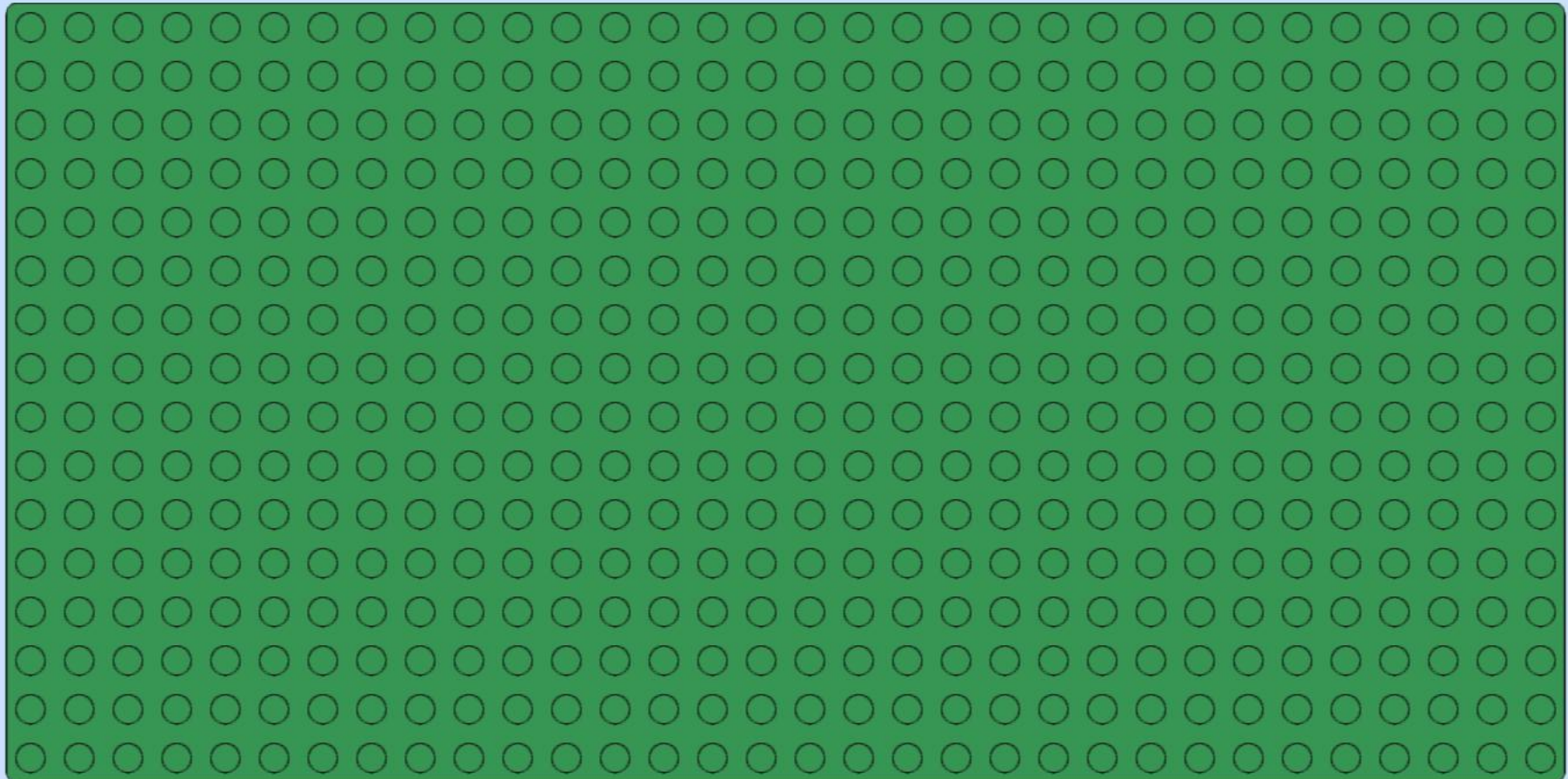
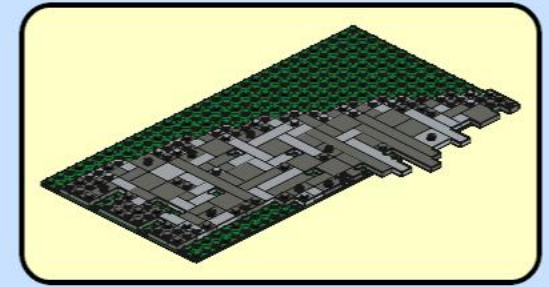
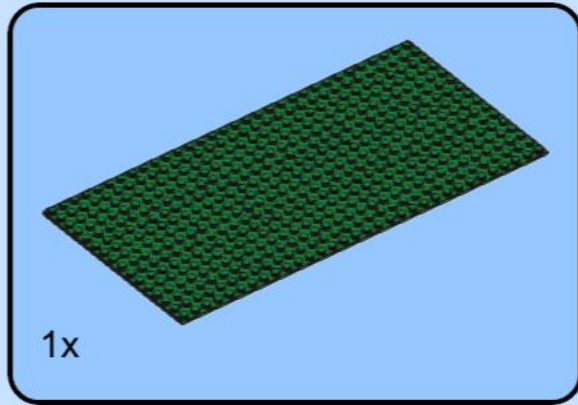
Color:

PSLTC ballast colors were originally dark gray, light gray, very light gray, and black (from Lego Mosaic sets). More recent schemes use light & dark bluish gray, with small amounts of tan, white, and black. For simplicity, these instructions use only light & dark bluish gray and black for ballast colors. The user is encouraged to substitute freely for the ballast colors of their choice.

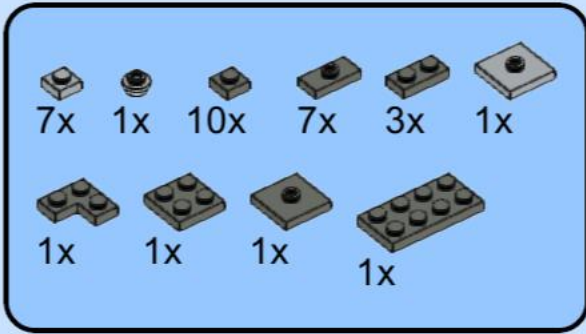
Texture:

For simplicity in the instruction, the cosmetic ballast pieces used here are primarily 1x1 plates. The user is encouraged to also mix in 1x1 tiles and 1x1 round plates & tiles for more varied texture.

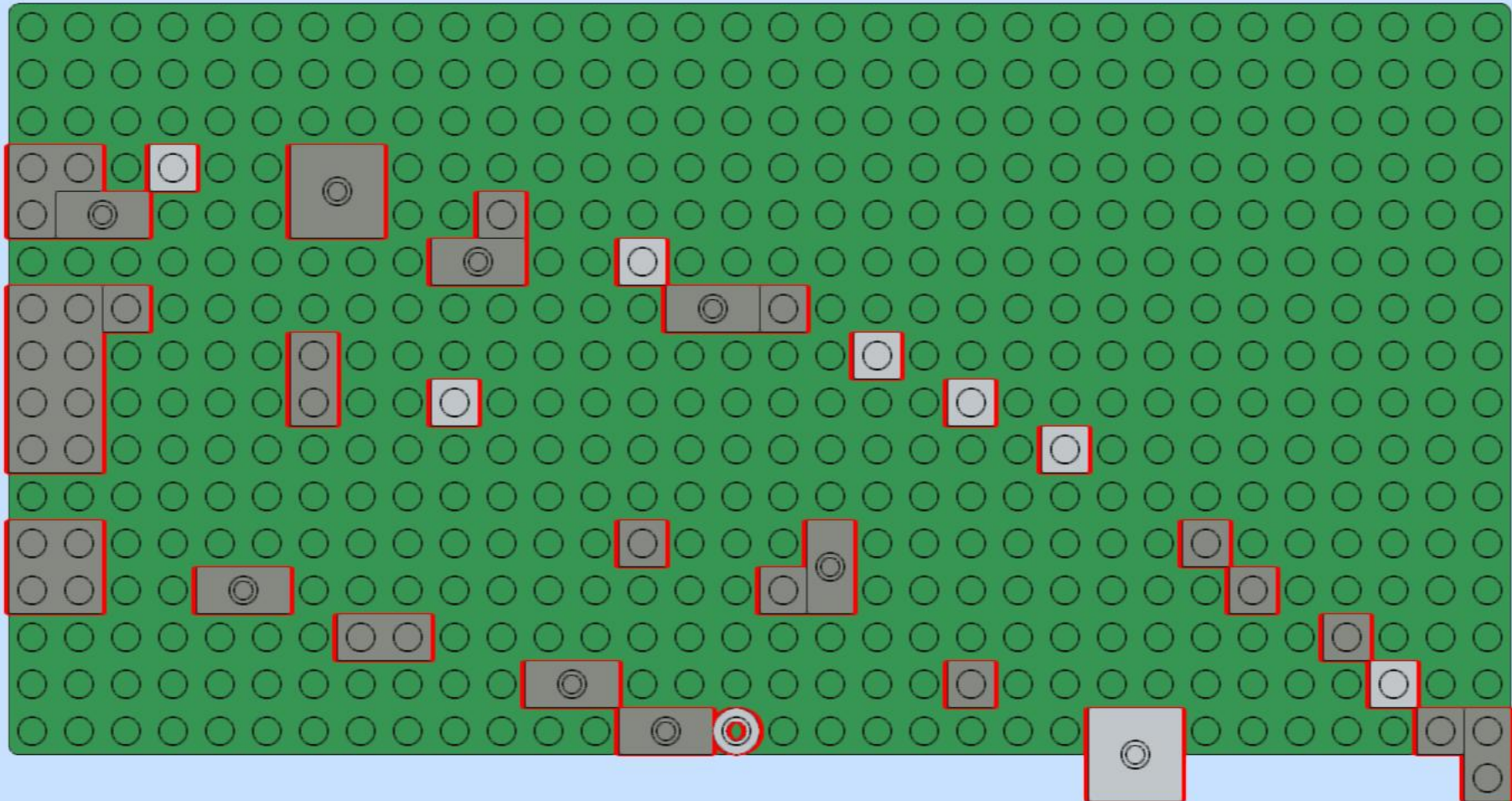
1



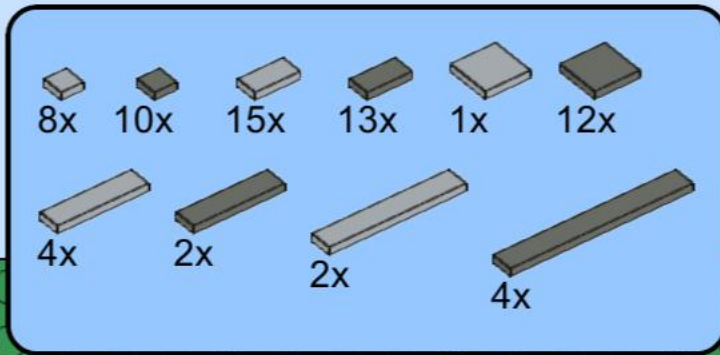
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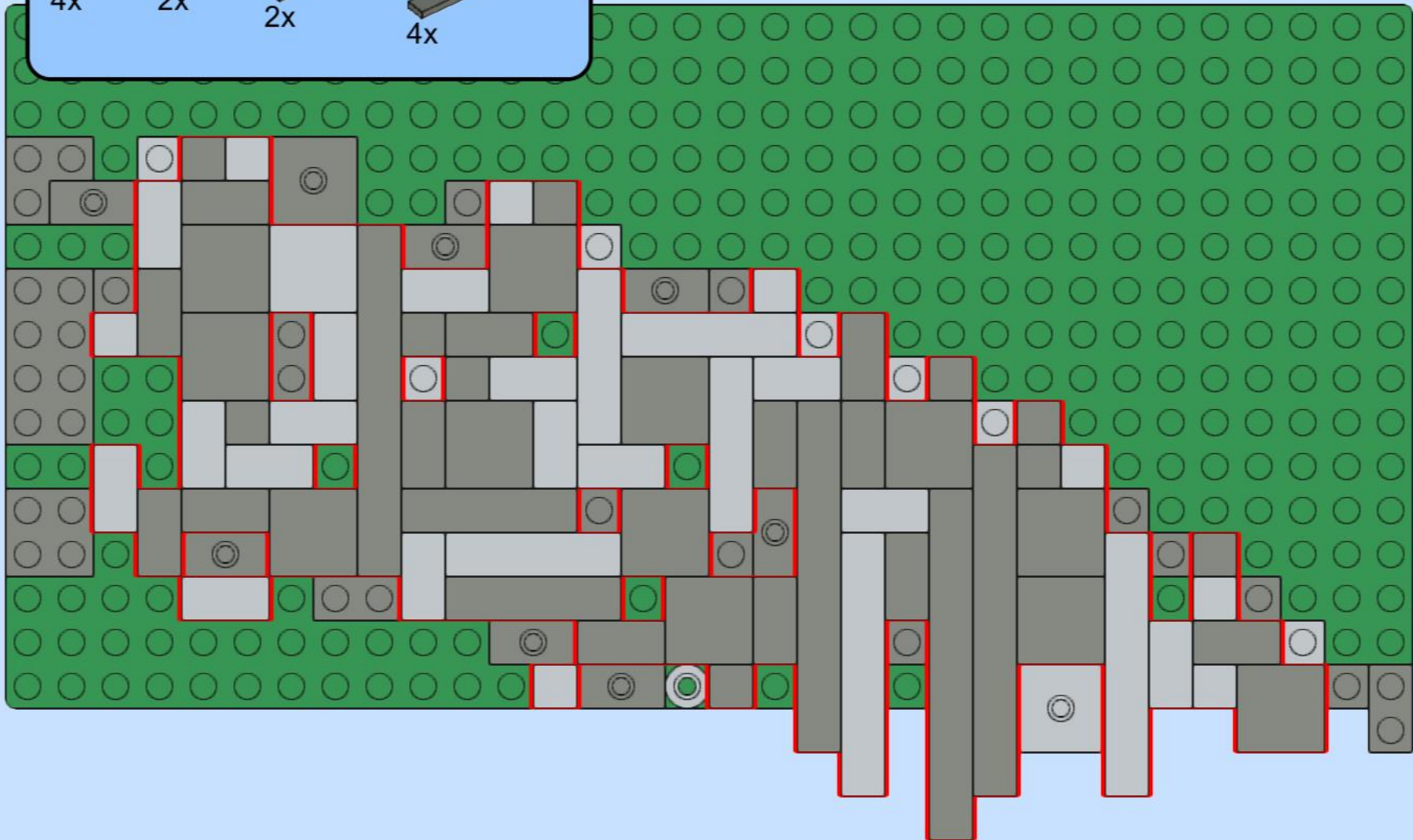
These pieces have studs required for the attachment of next-layer parts. Any ballast color may be used.



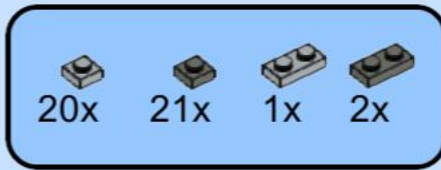
3



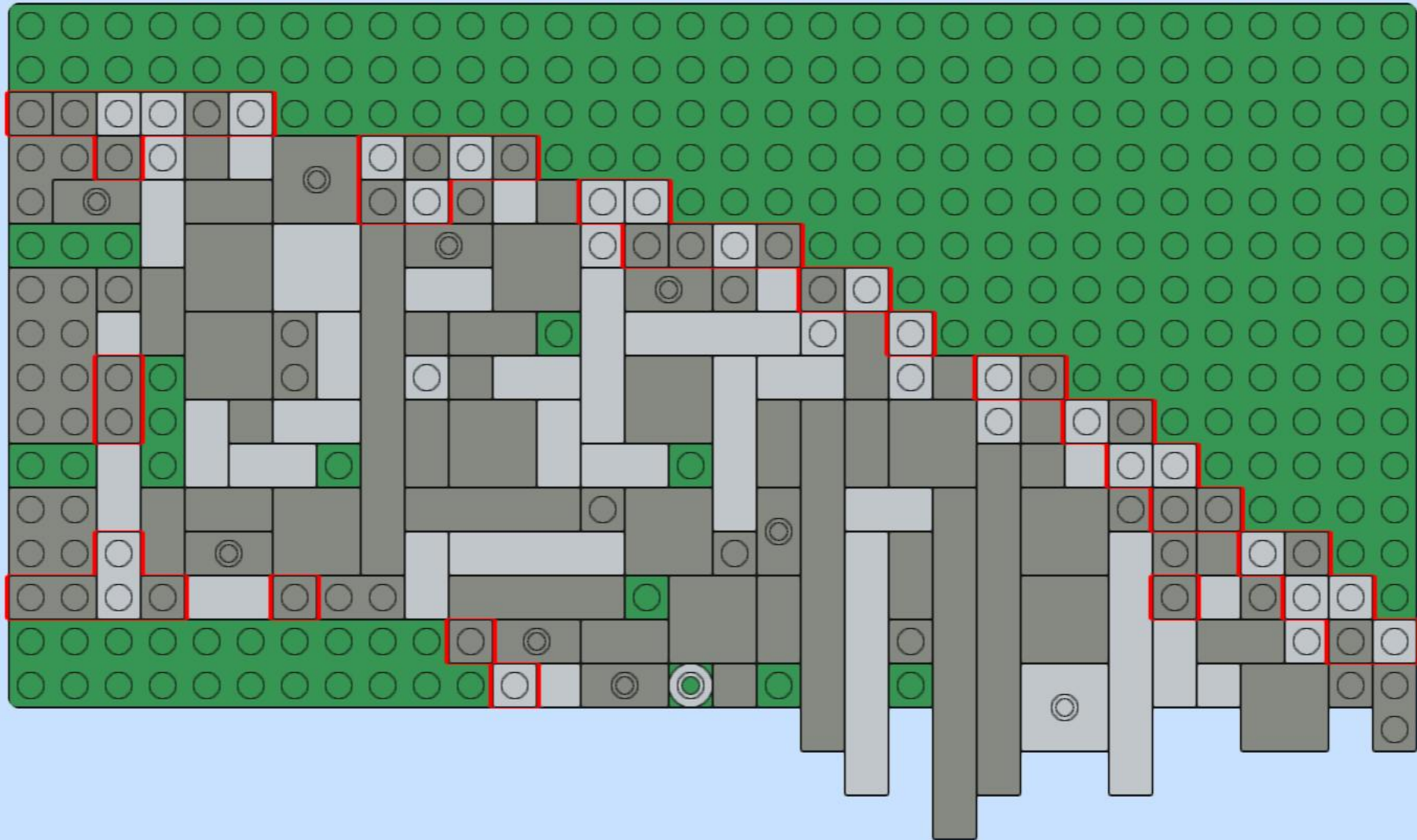
Tiles in this step may be varied in shape and size but need to fill the area shown. Any ballast color may be used.



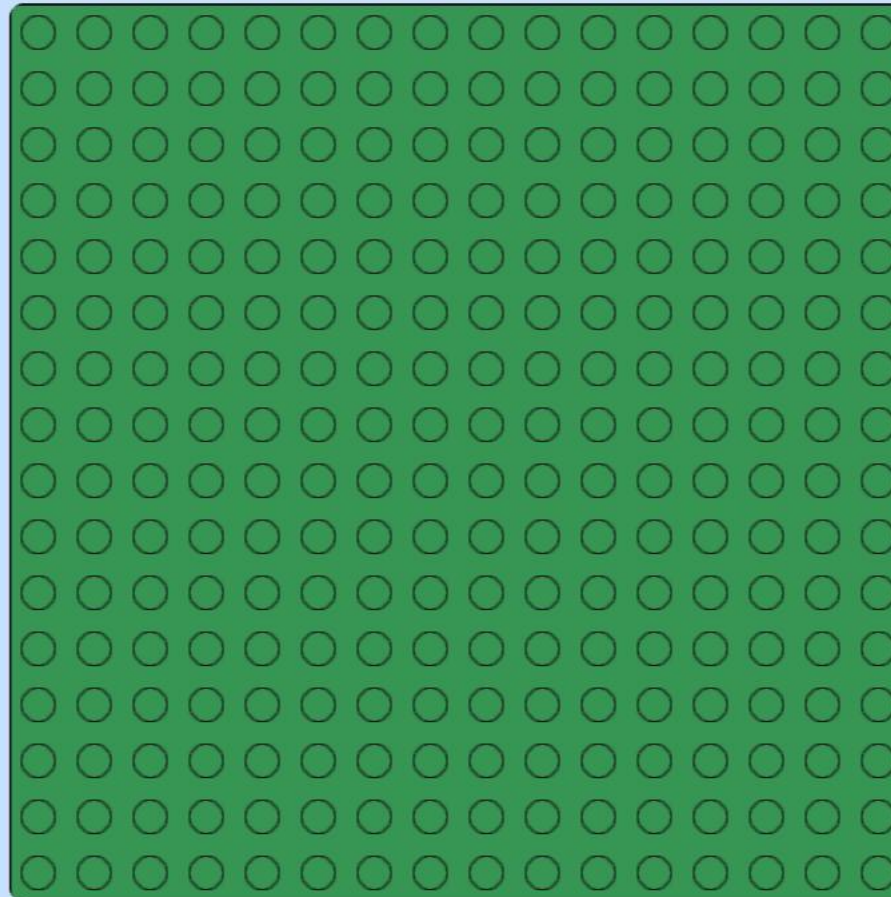
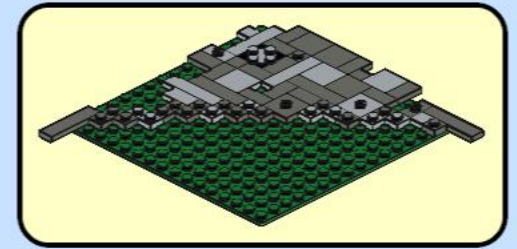
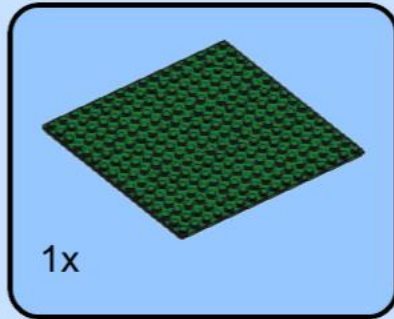
4



Pieces added in this step are for looks only and can be replaced with tiles, supplemented, or deleted as preferred by the builder. Any ballast color may be used.



5

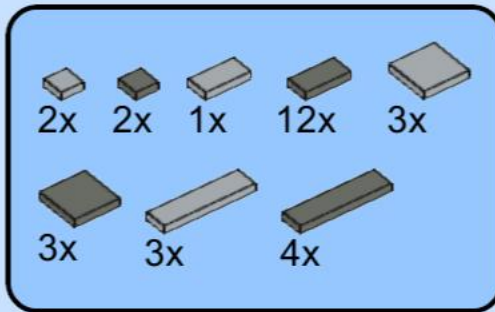


2x	6x	1x	1x	1x
1x	1x	1x	1x	

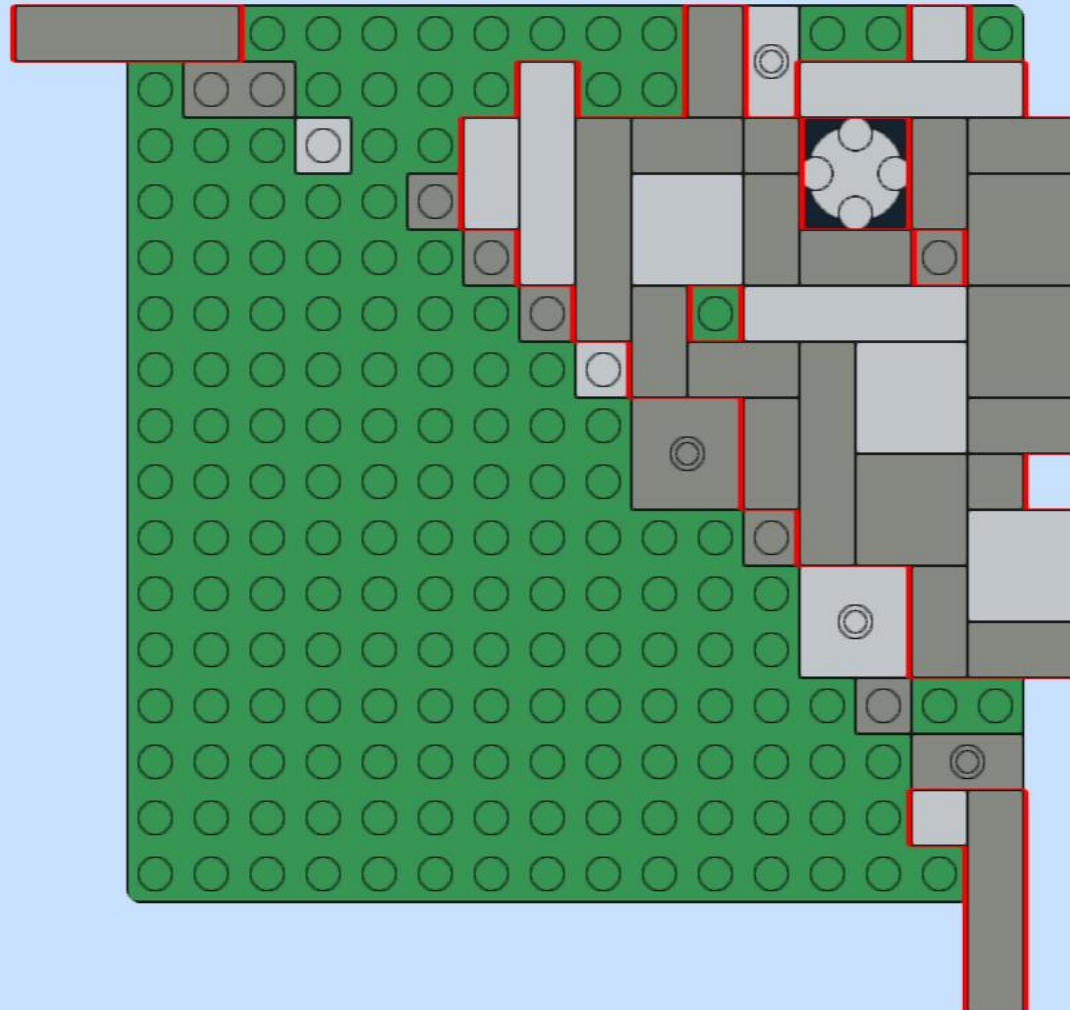
A 20x20 grid of green circles. Various shapes and colors are placed on the grid, illustrating a pattern recognition task. The shapes include:

- A horizontal row of two gray circles at the top left.
- A single white circle below it.
- A single gray circle further down and to the right.
- A diagonal sequence of gray circles.
- A single white circle in the middle of the diagonal sequence.
- A large gray square with a small gray circle inside, positioned below the white circle in the diagonal.
- A single gray circle to the right of the large gray square.
- A large white square with a small gray circle inside, positioned below the large gray square.
- A single gray circle to the right of the large white square.
- A large gray circle with a small gray circle inside, positioned at the bottom right.
- A large black square with a white circle inside, positioned at the top right.
- A single gray circle to the right of the black square.

7



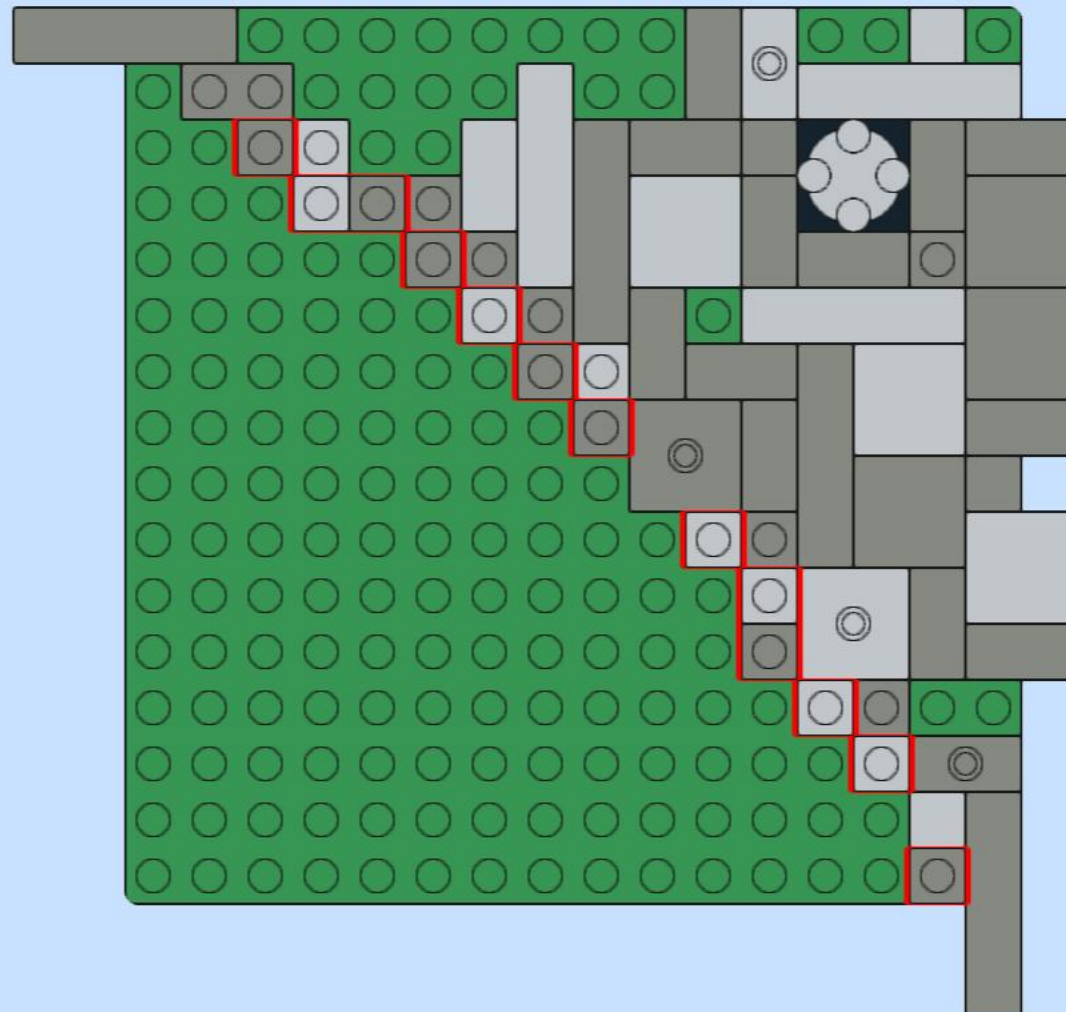
Tiles in this step may be varied in shape and size but need to fill the area shown. Any ballast color may be used.



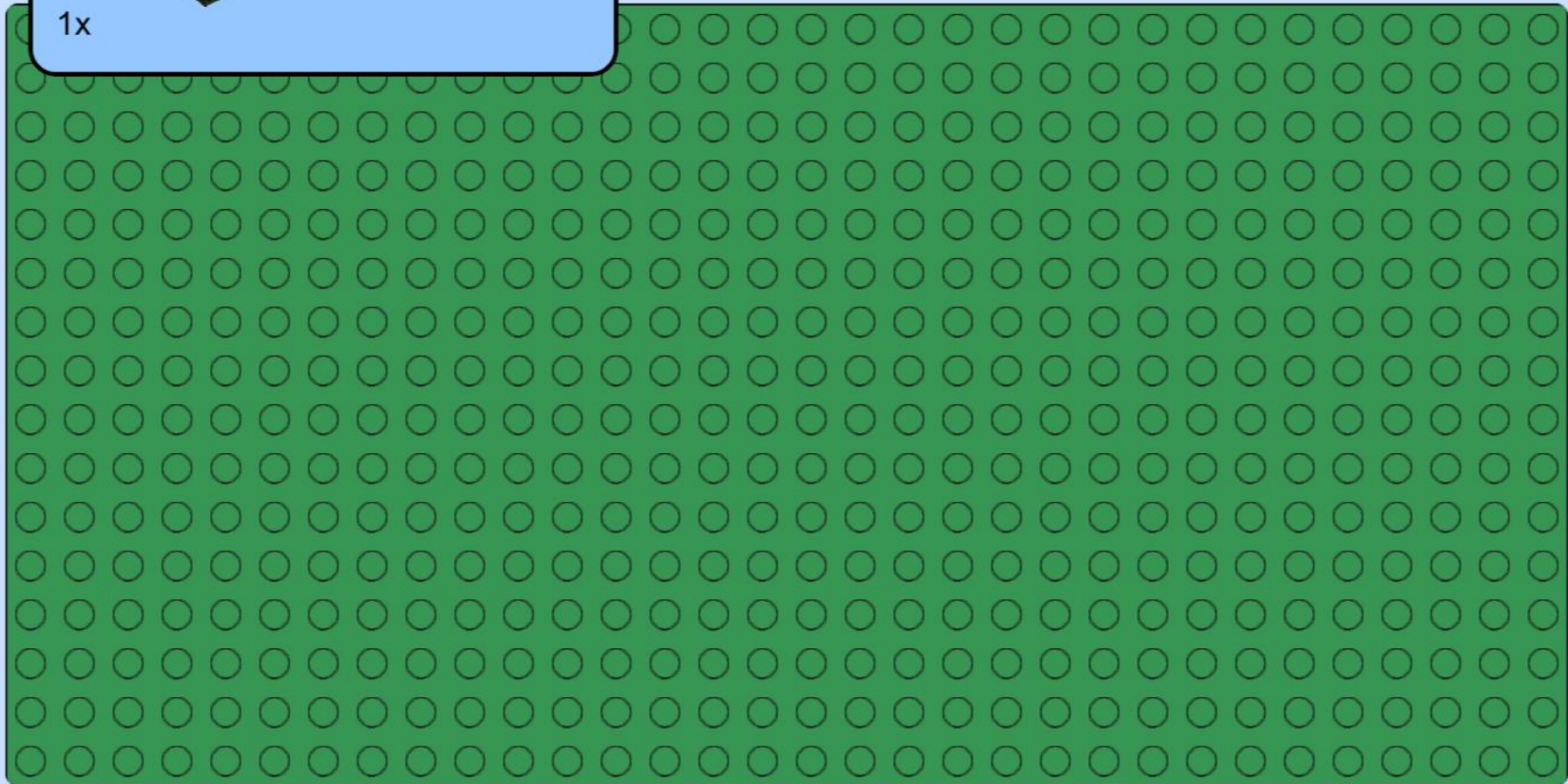
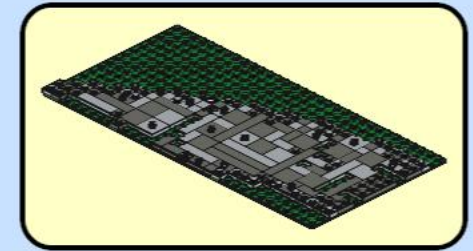
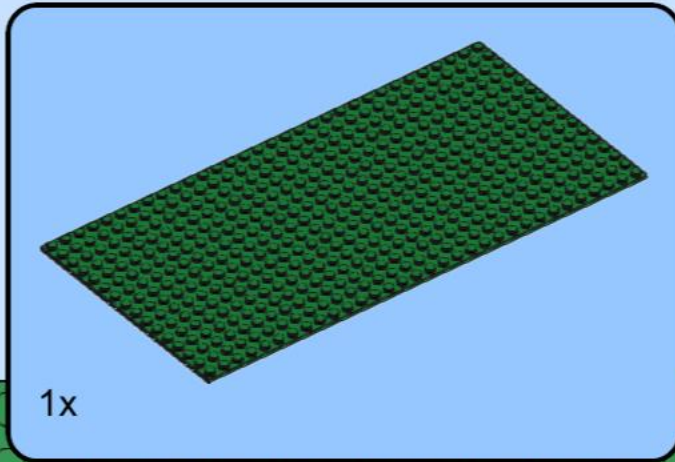
8



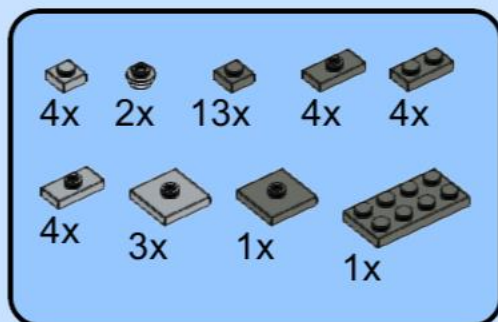
Pieces added in this step are for looks only and can be replaced with tiles, supplemented, or deleted as preferred by the builder. Any ballast color may be used.



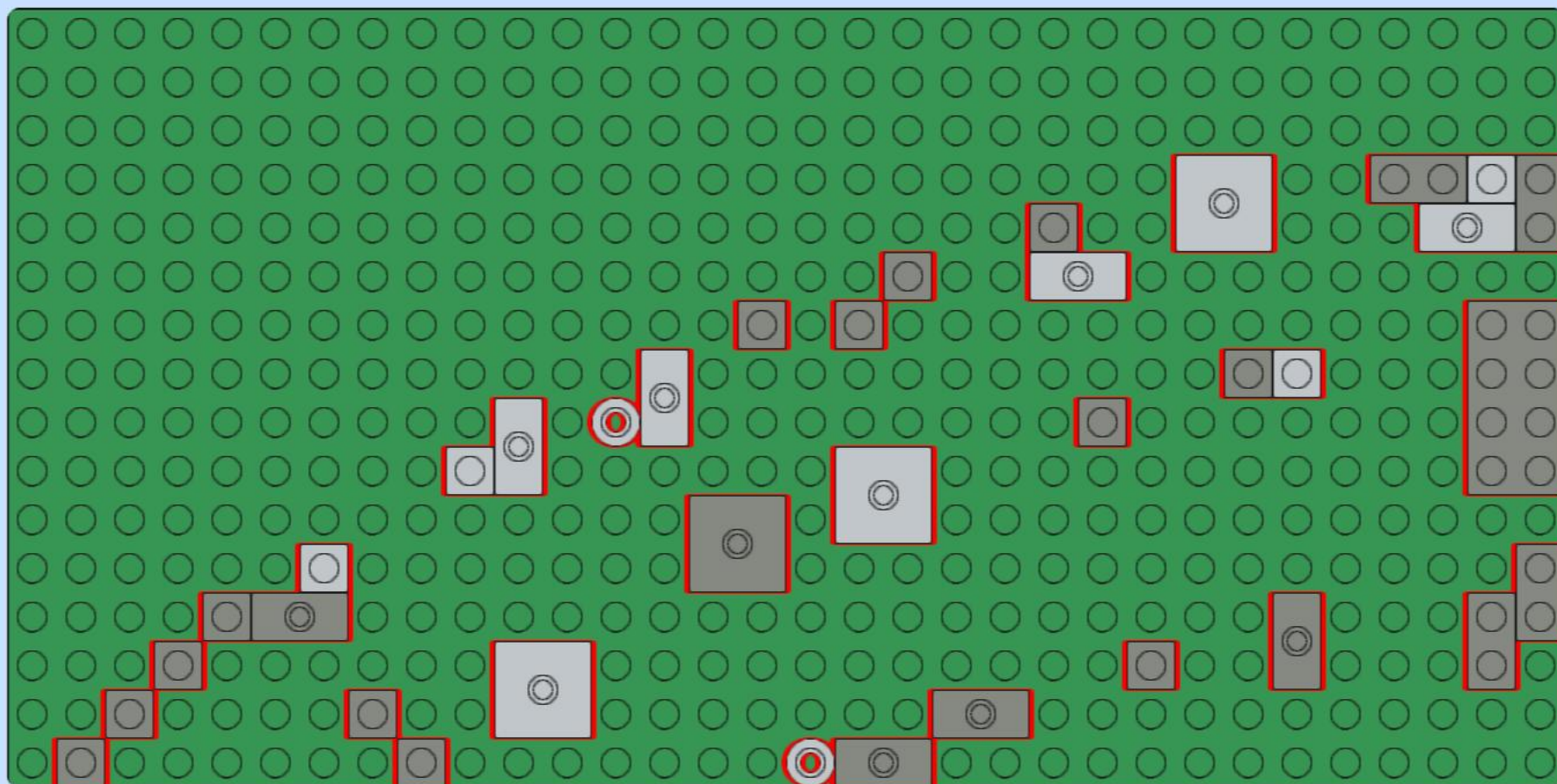
9



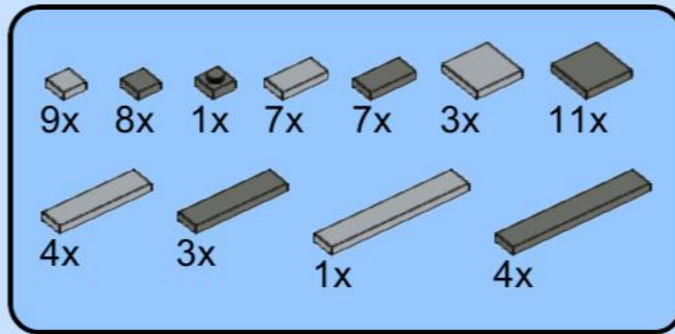
10



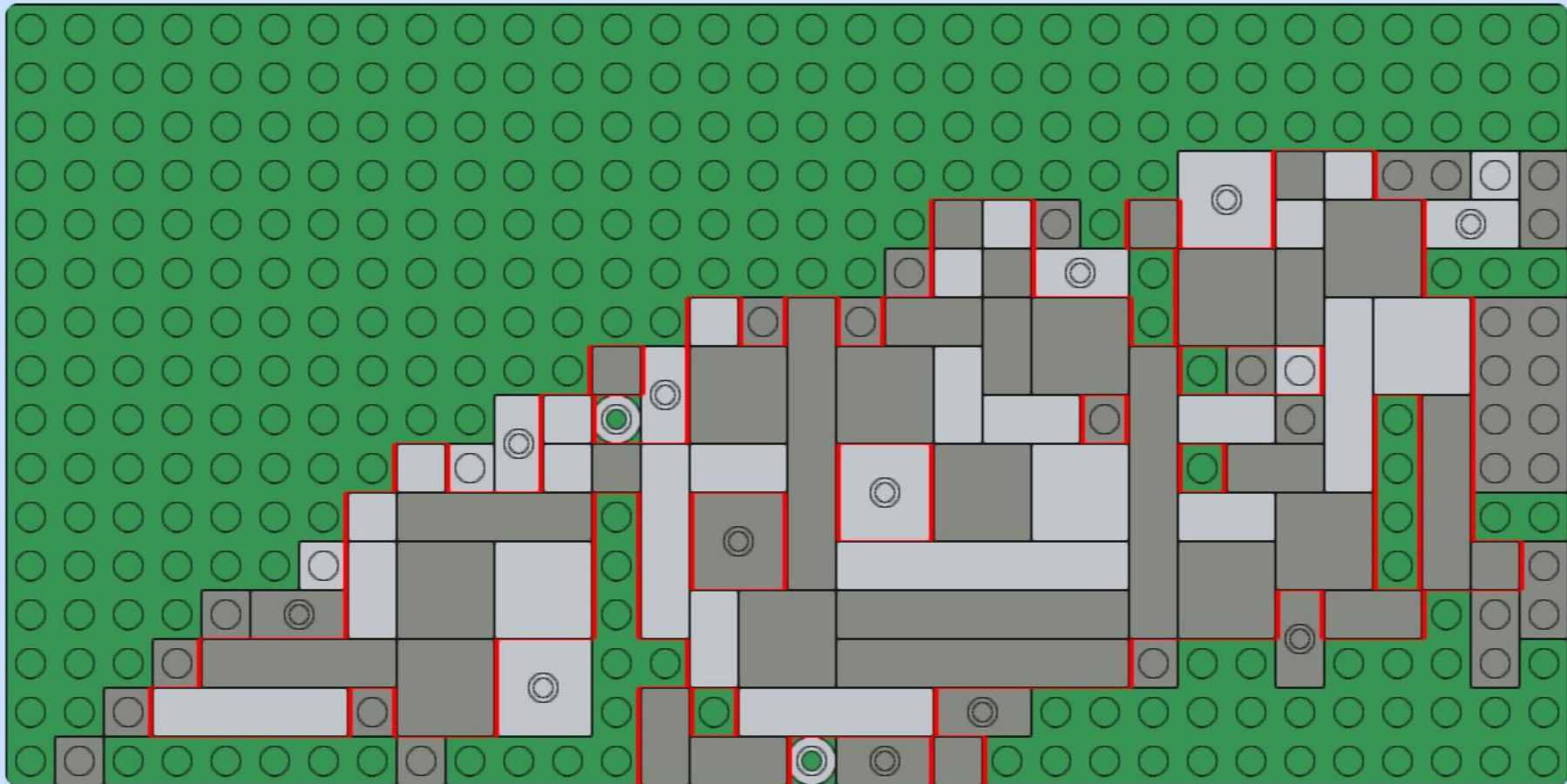
These pieces have studs required for the attachment of next-layer parts. Any ballast color may be used.



11



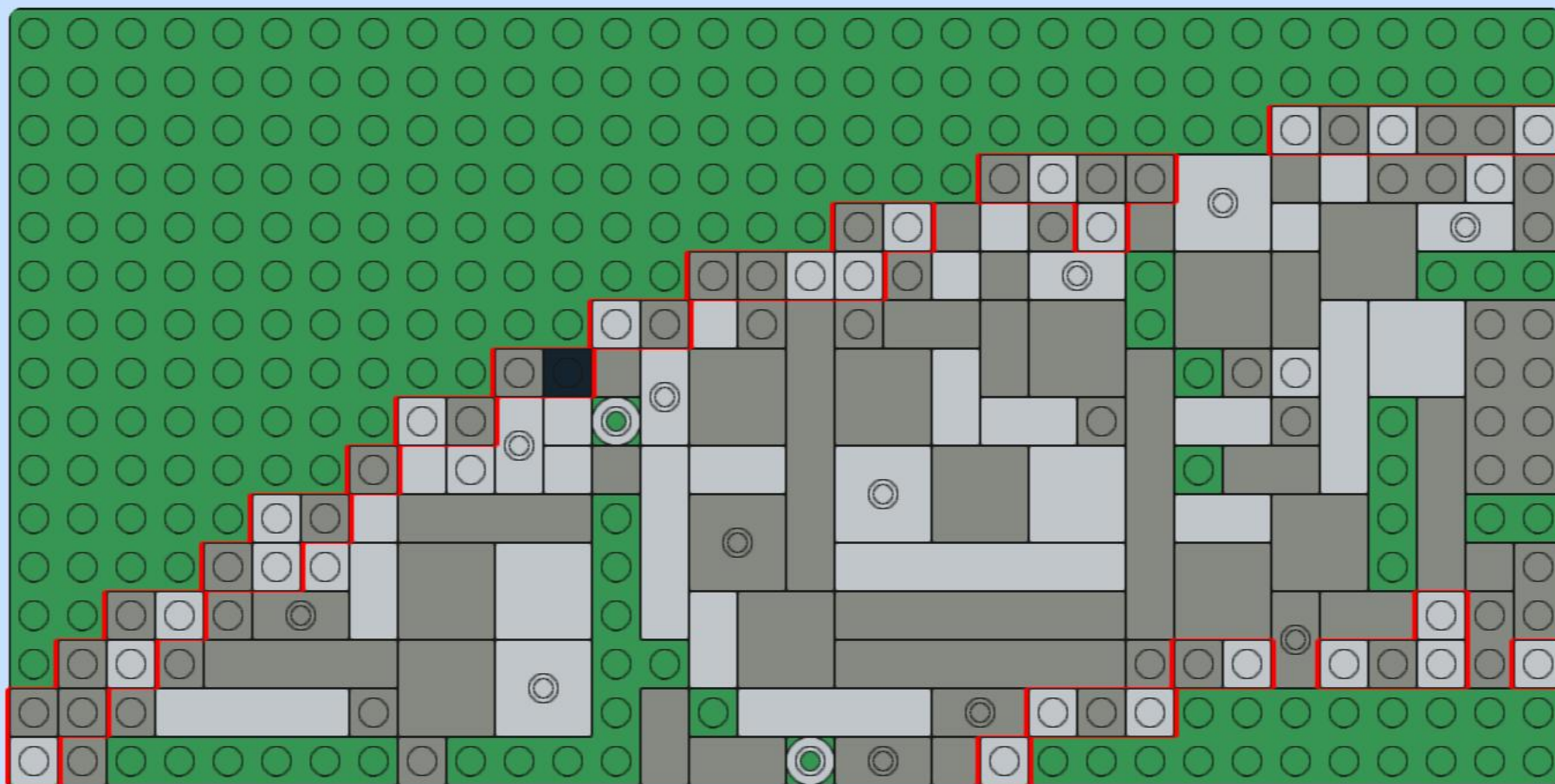
Tiles in this step may be varied in shape and size but need to fill the area shown. Any ballast color may be used.



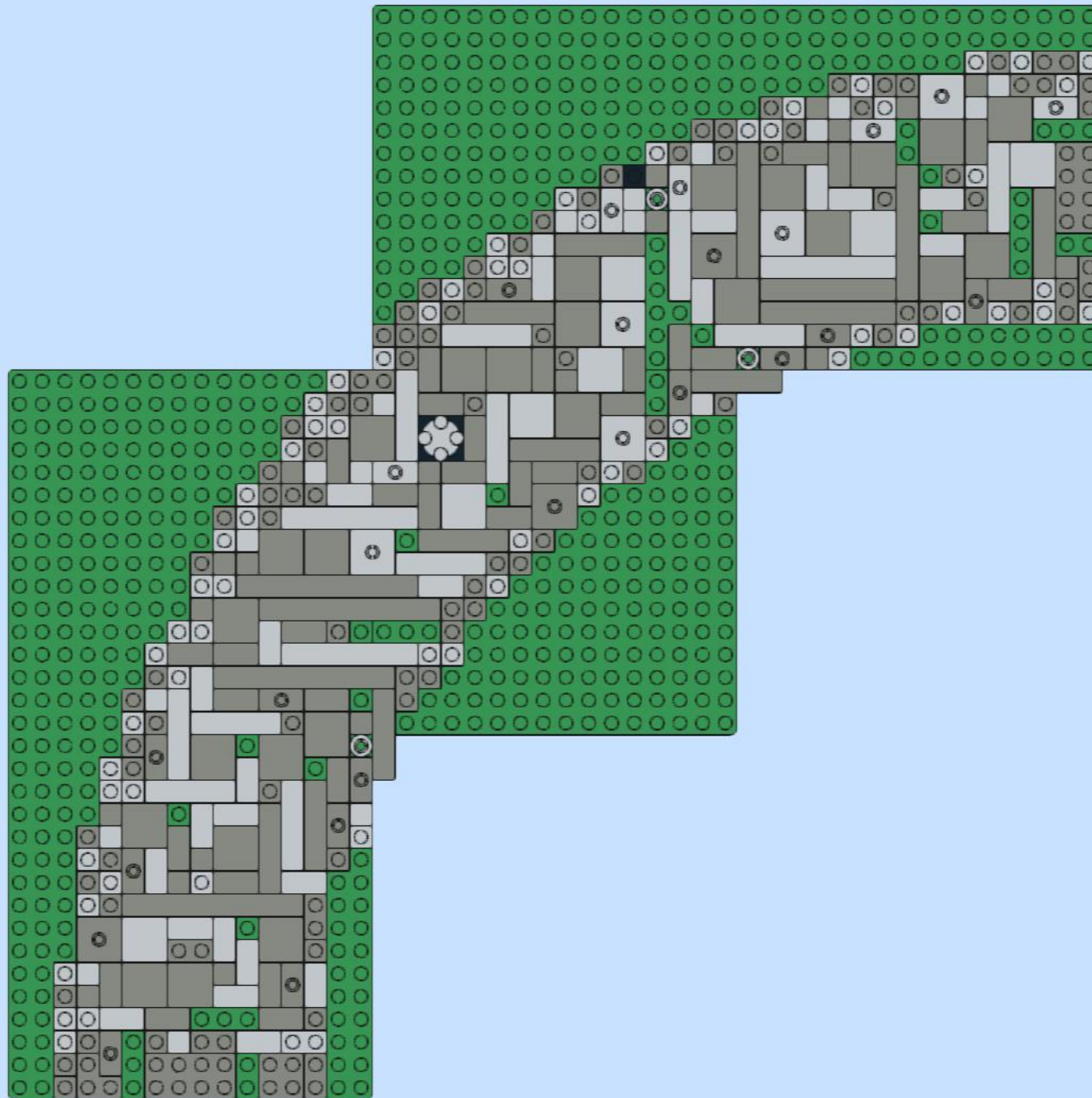
12



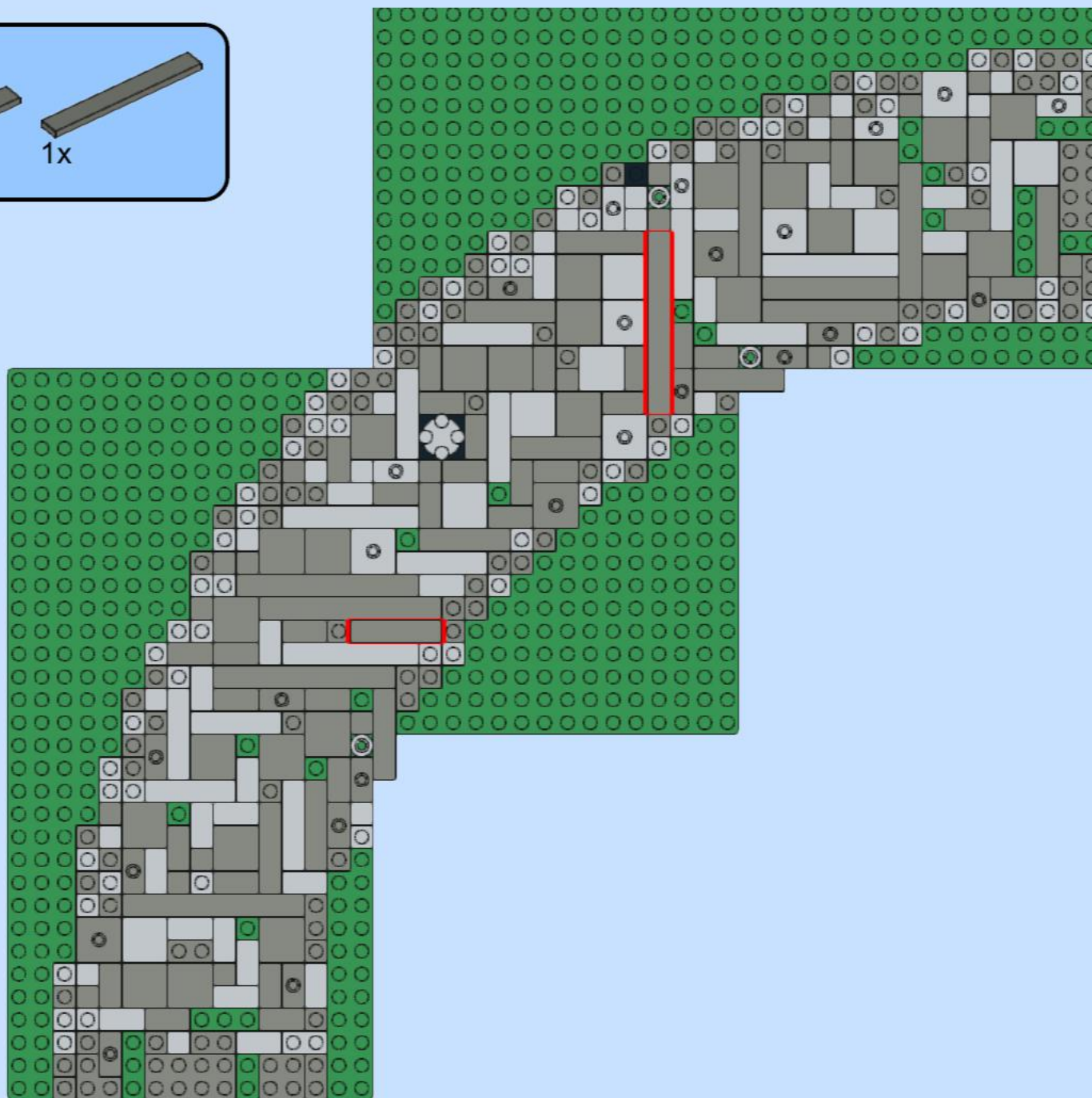
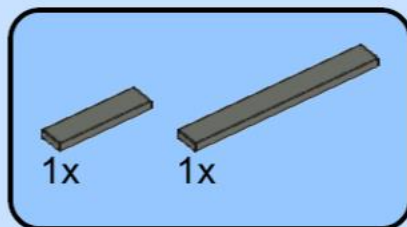
Pieces added in this step are for looks only and can be replaced with tiles, supplemented, or deleted as preferred by the builder. Any ballast color may be used.



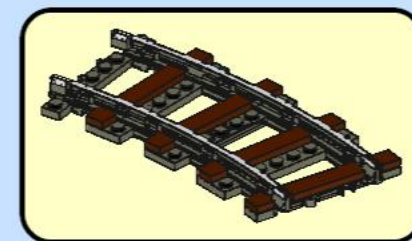
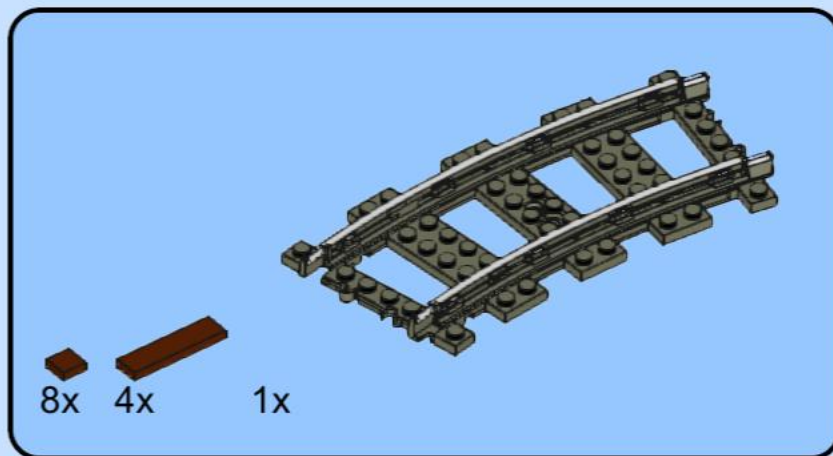
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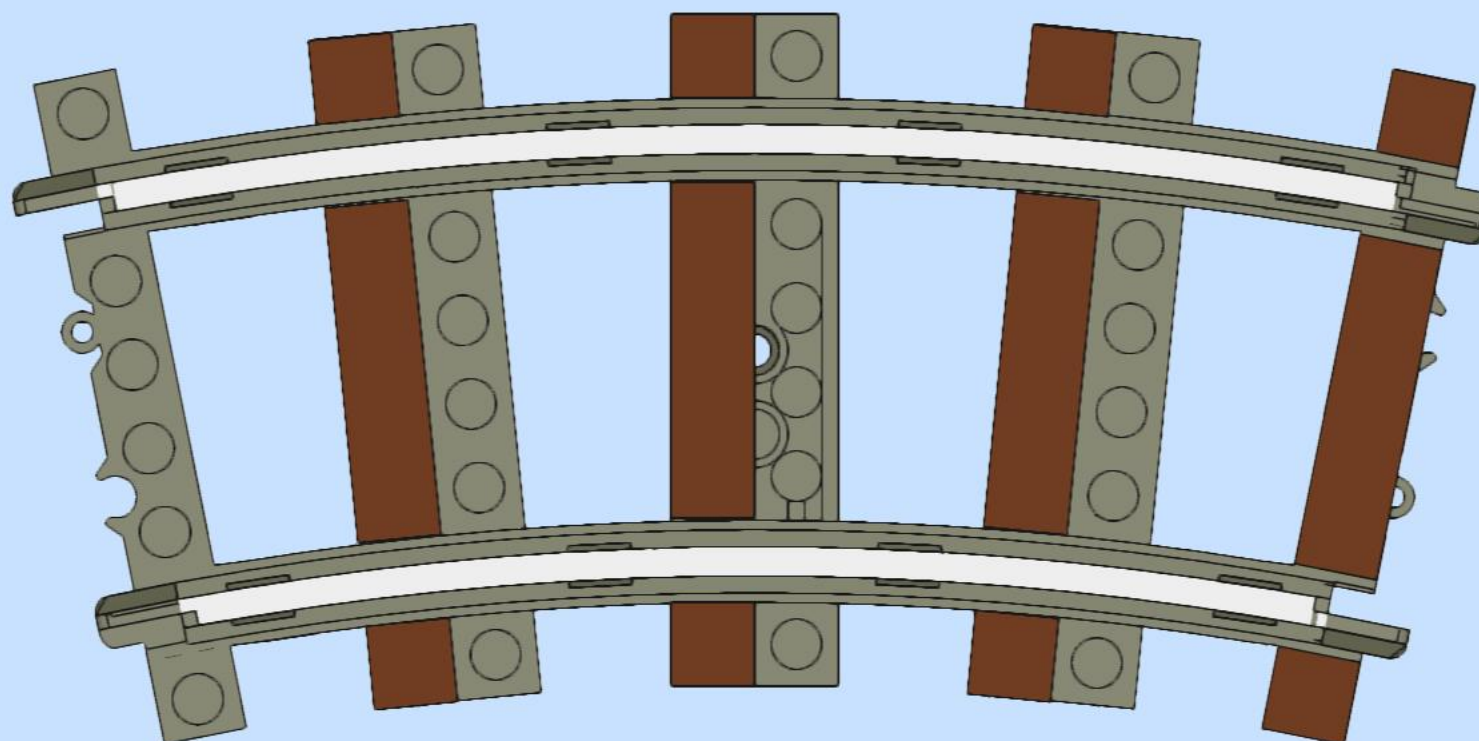
14



15

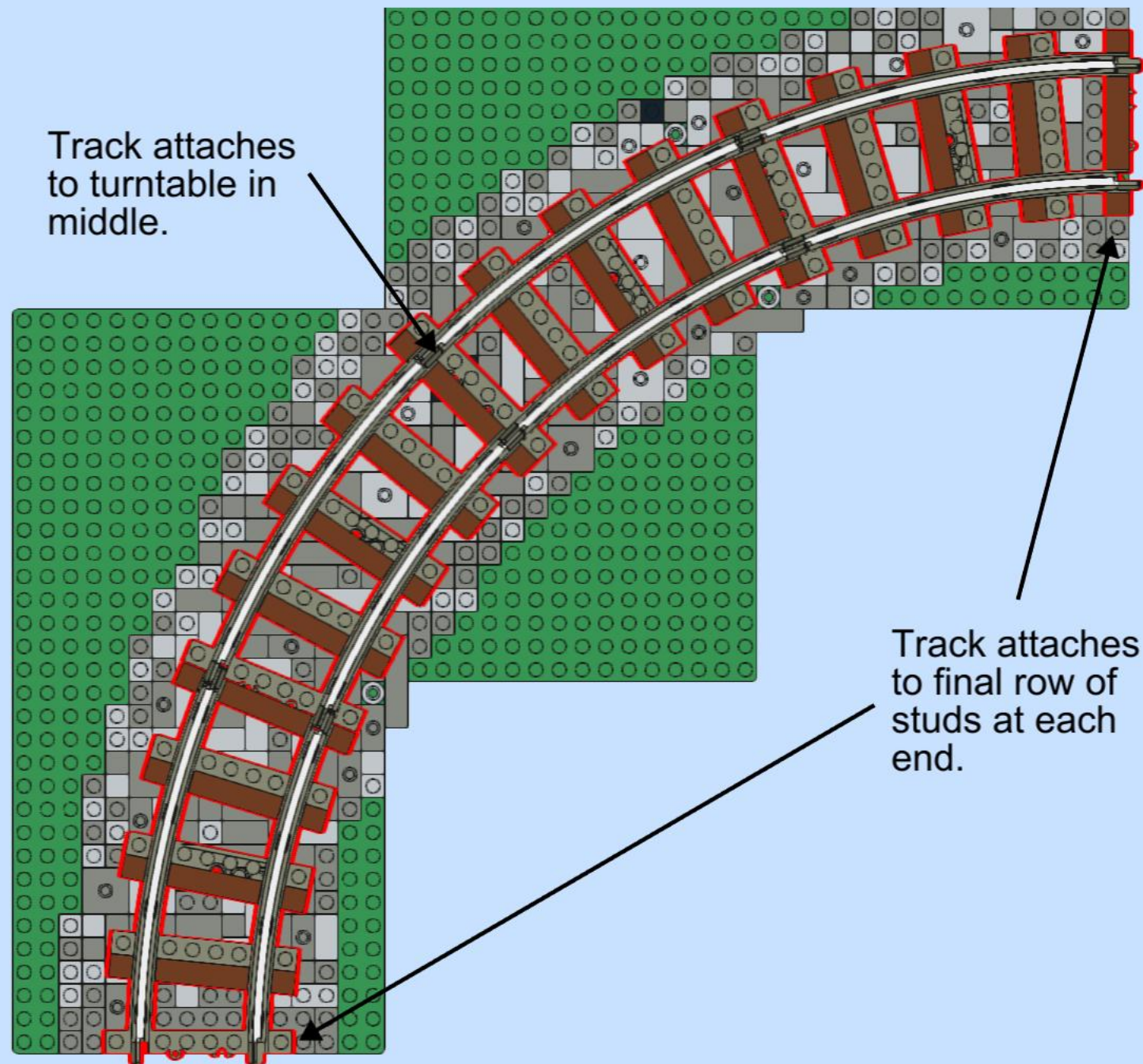


4x

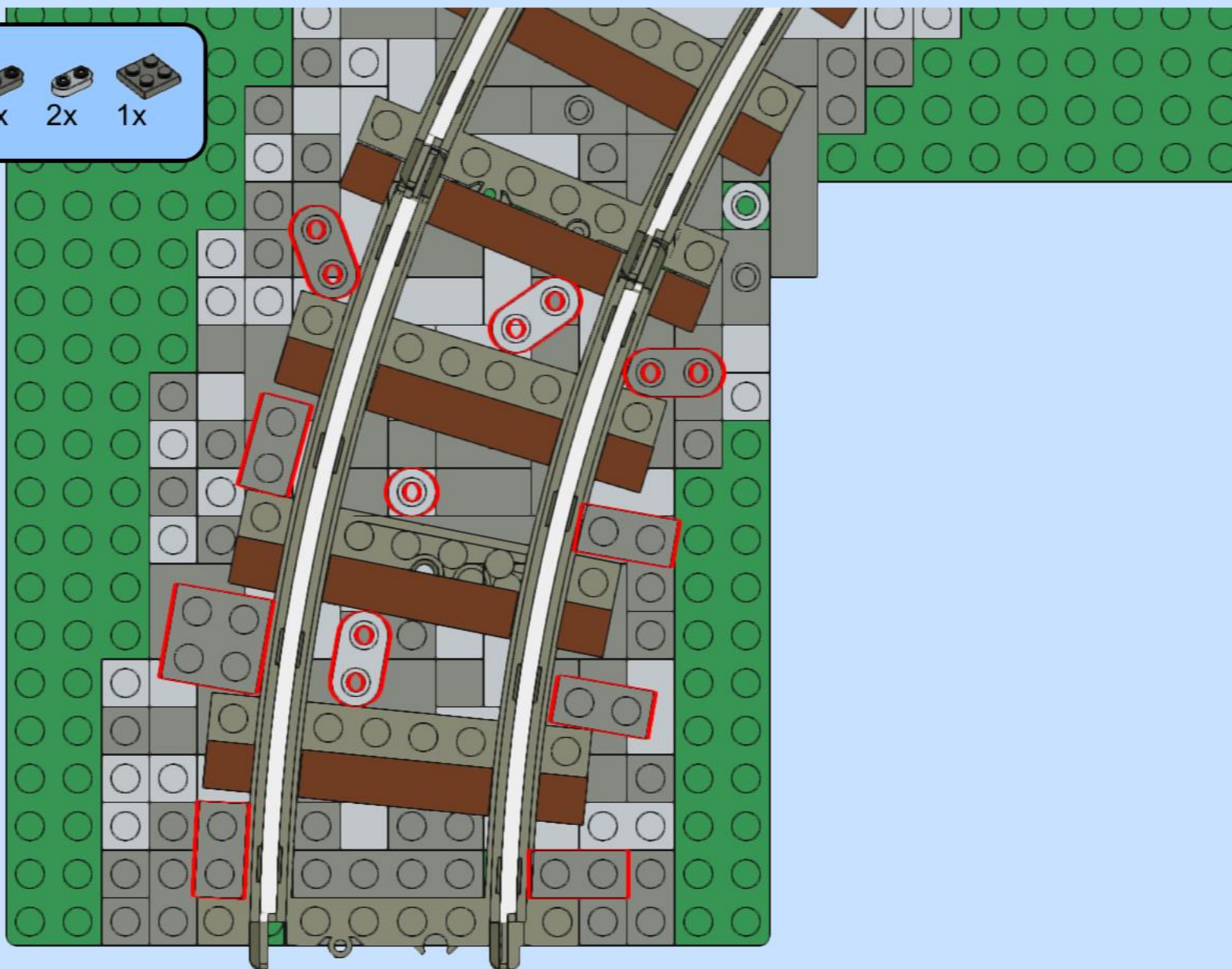


4x

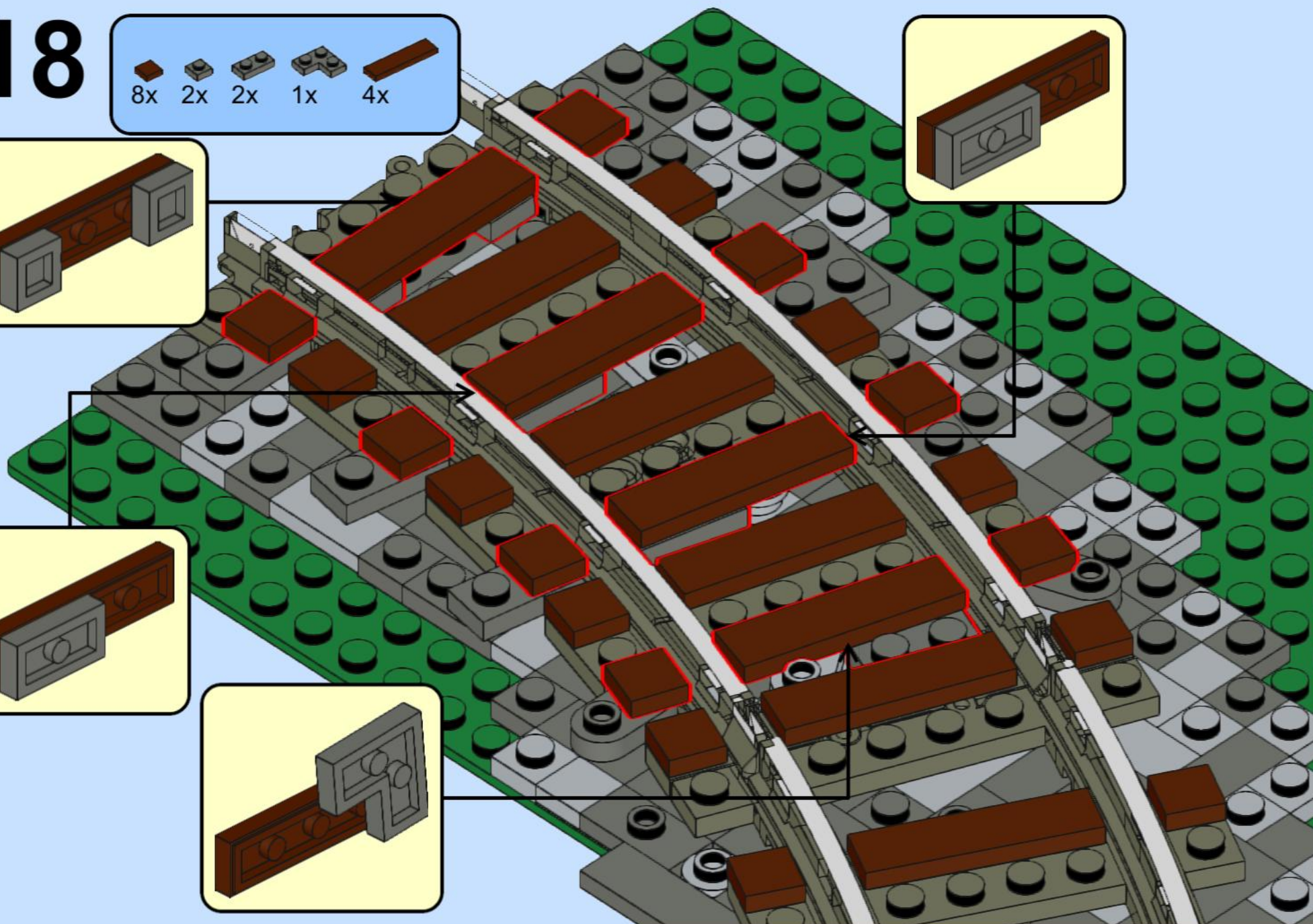
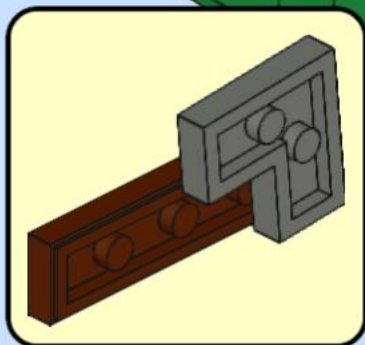
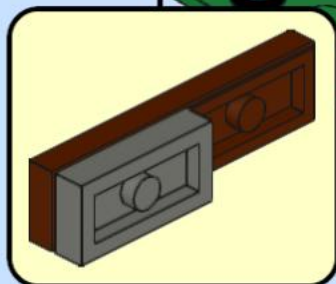
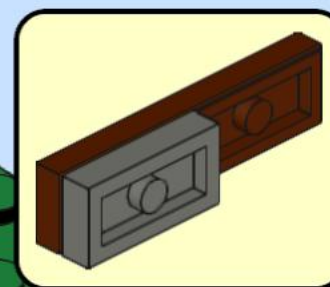
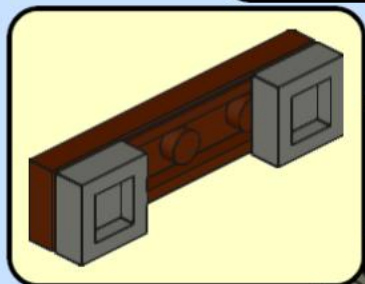
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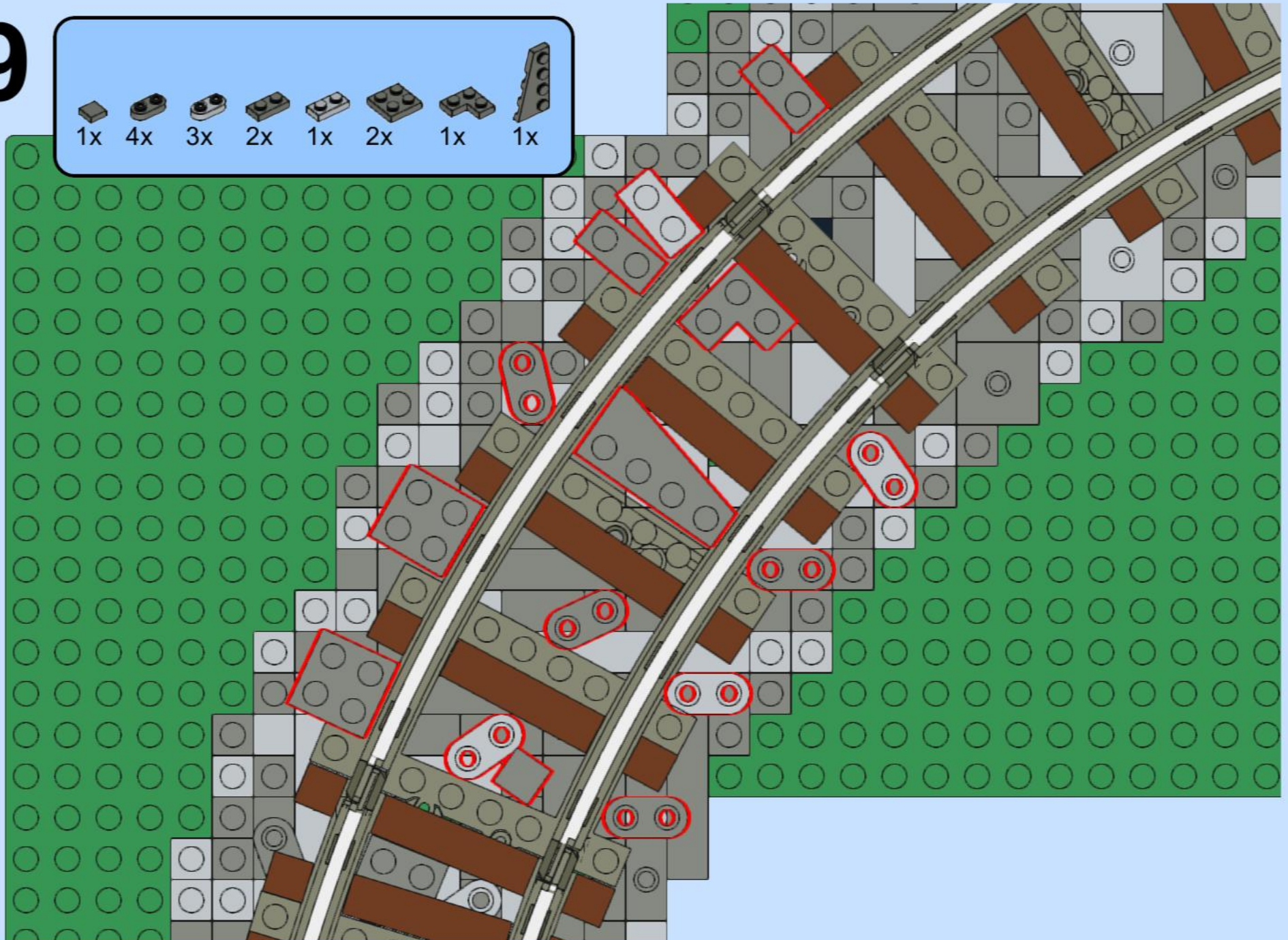
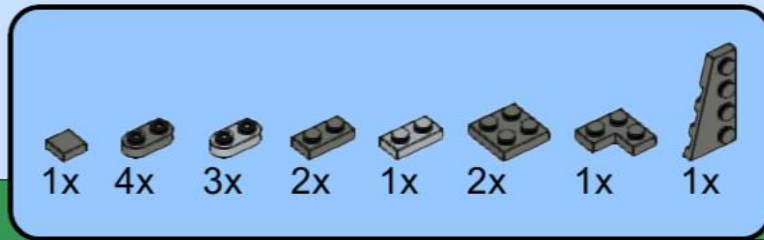
17



18

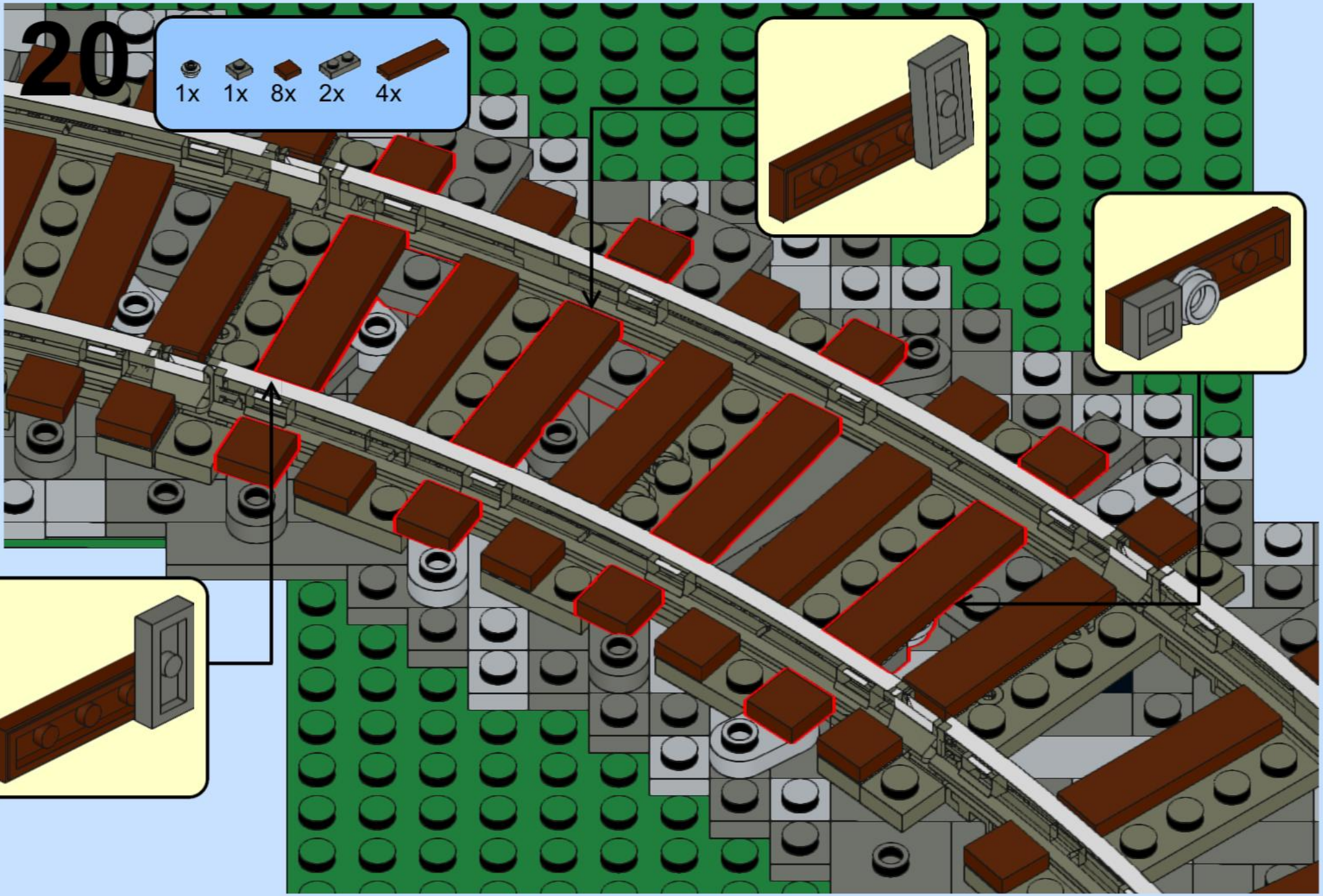
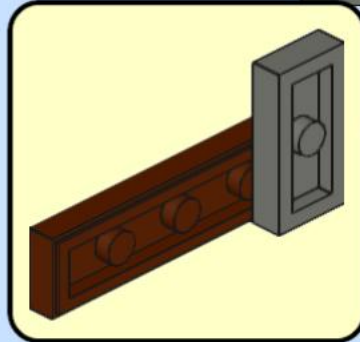
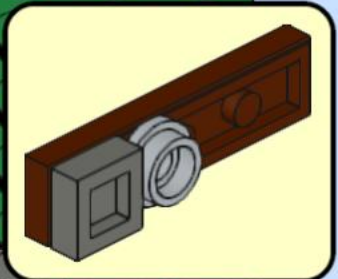
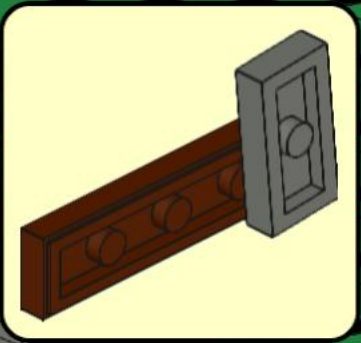


19

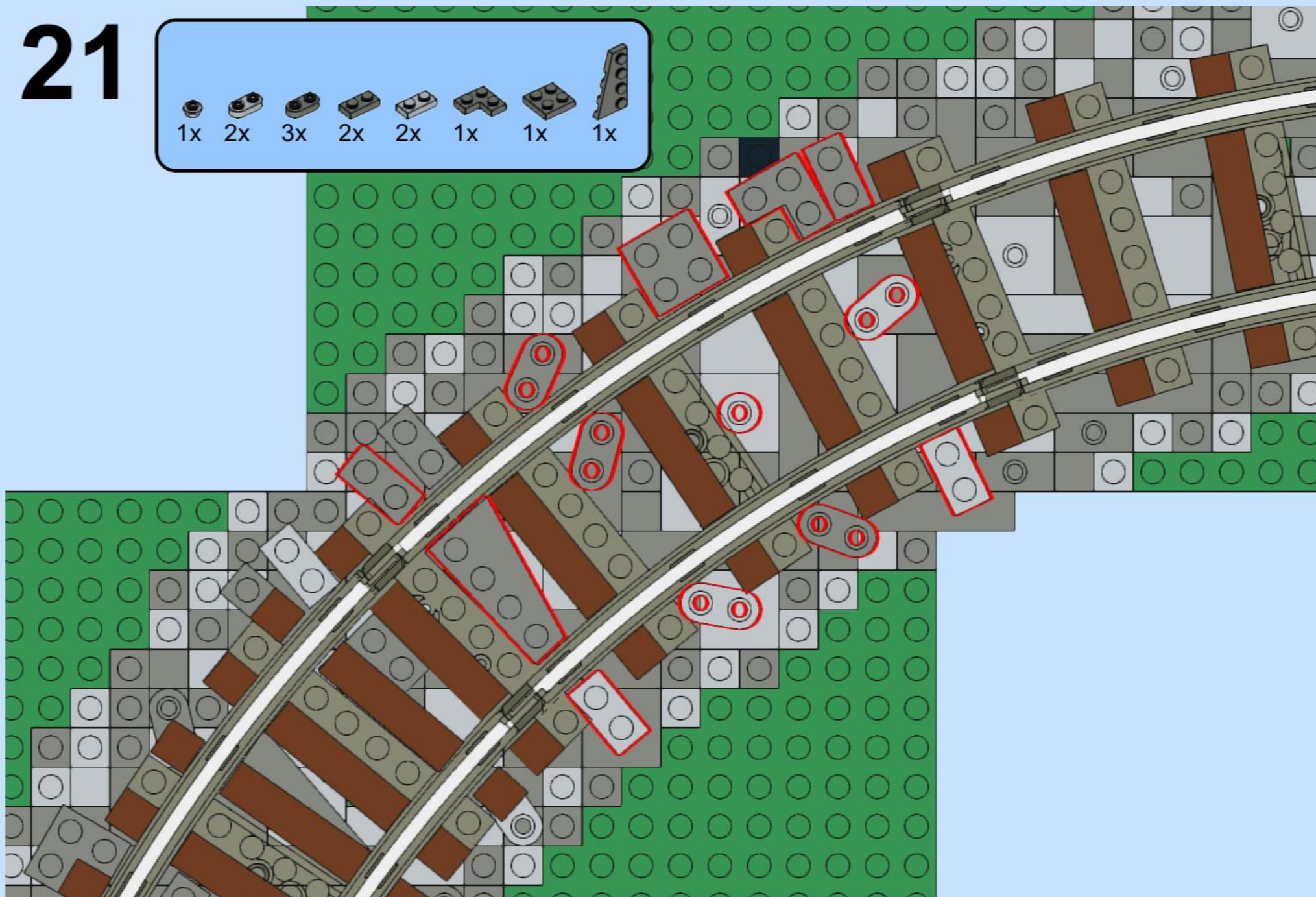


20

- 1x 
- 1x 
- 8x 
- 2x 
- 4x 

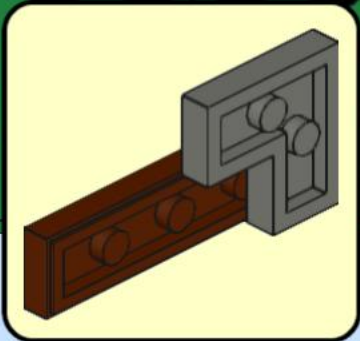
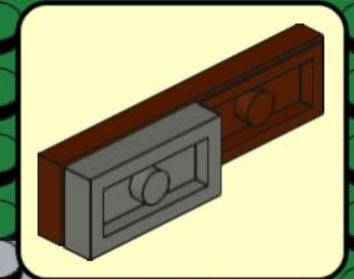
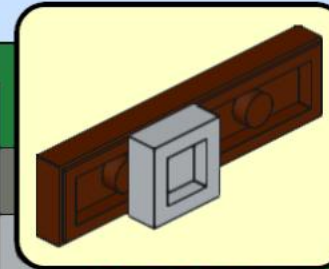


21



22

1x 8x 1x 1x 4x



23



3x



4x



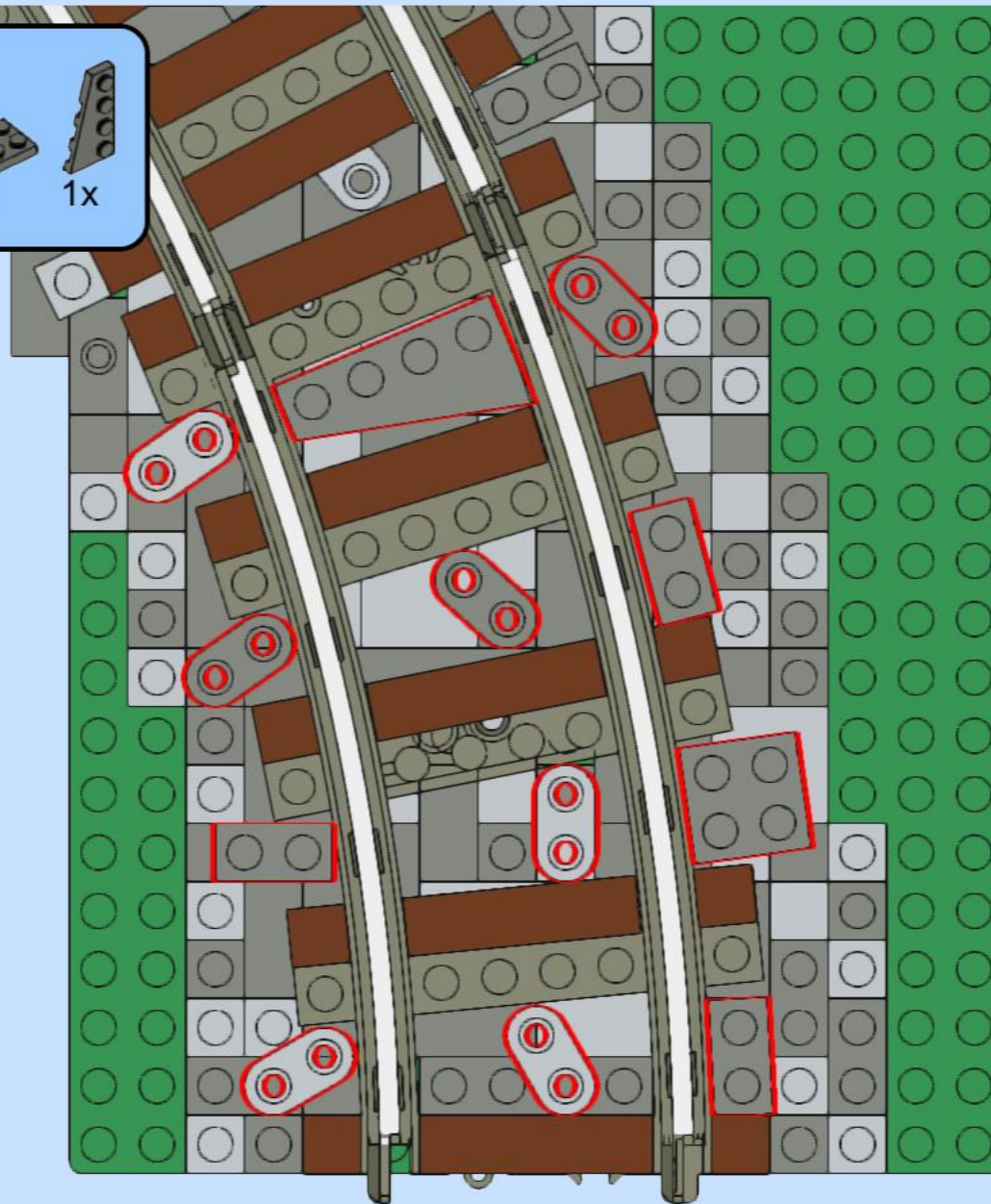
3x

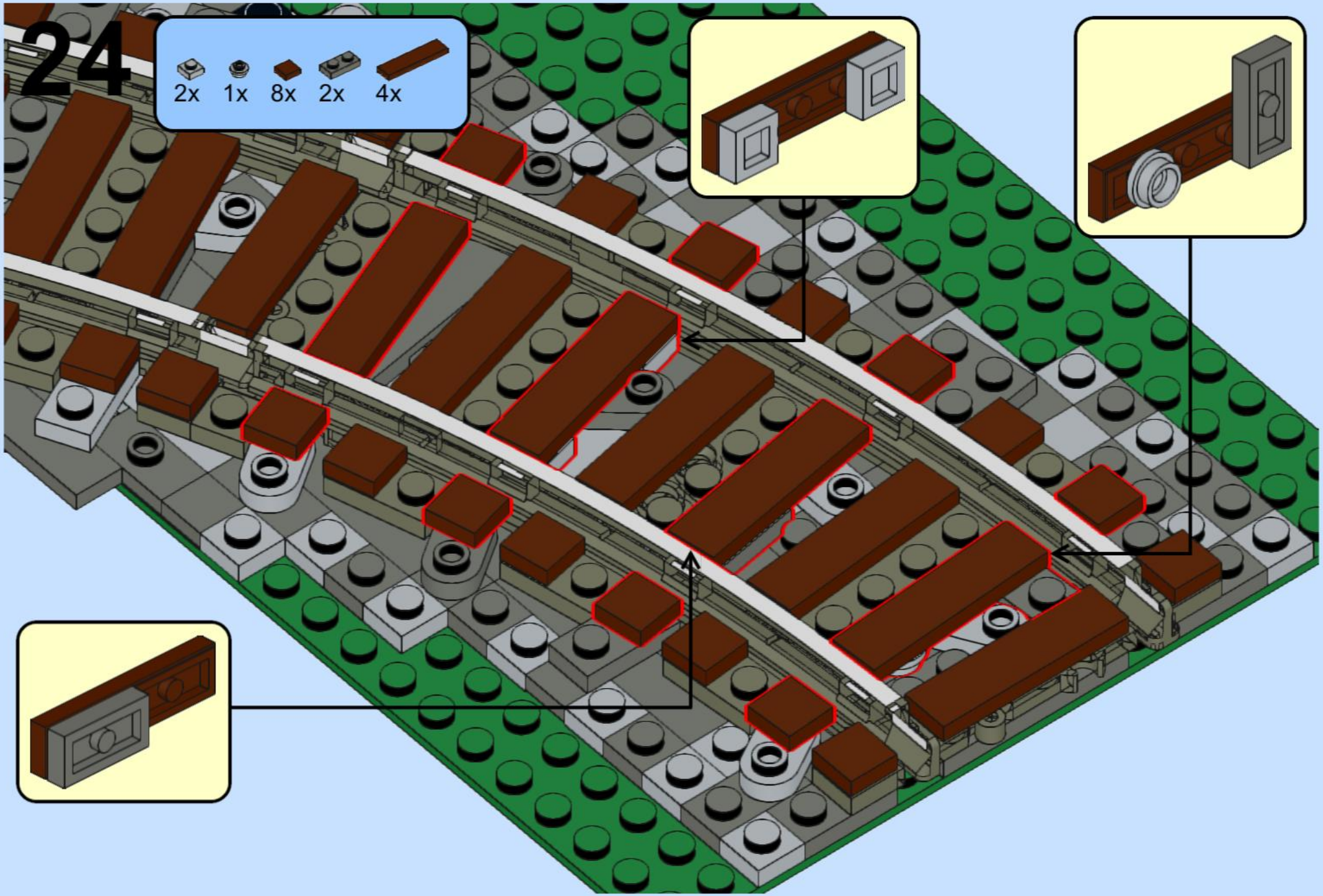


1x



1x








25

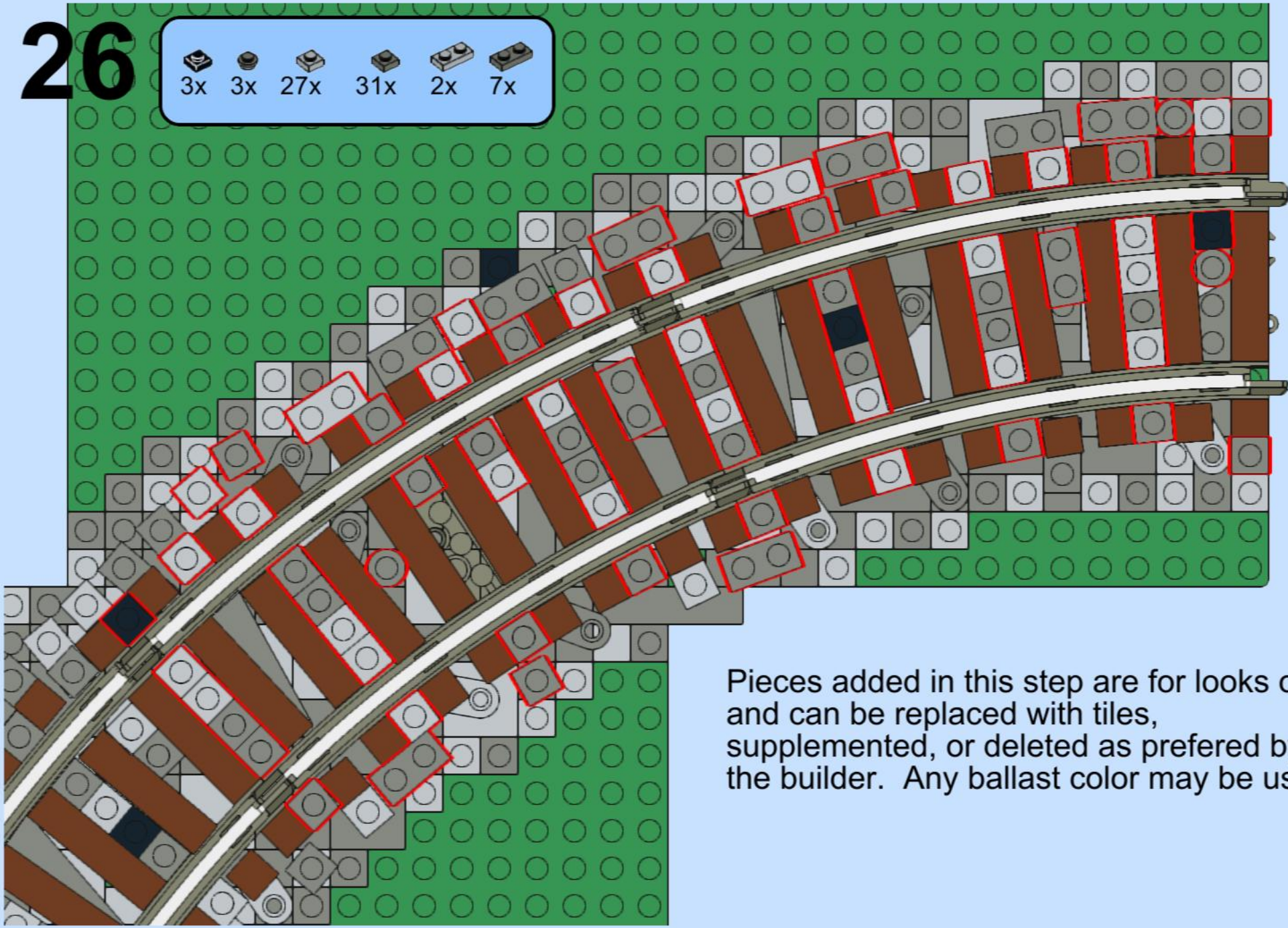
 30x
  1x
  29x
  2x
  3x
  3x
  5x

Pieces added in this step are for looks only and can be replaced with tiles, supplemented, or deleted as preferred by the builder. Any ballast color may be used.



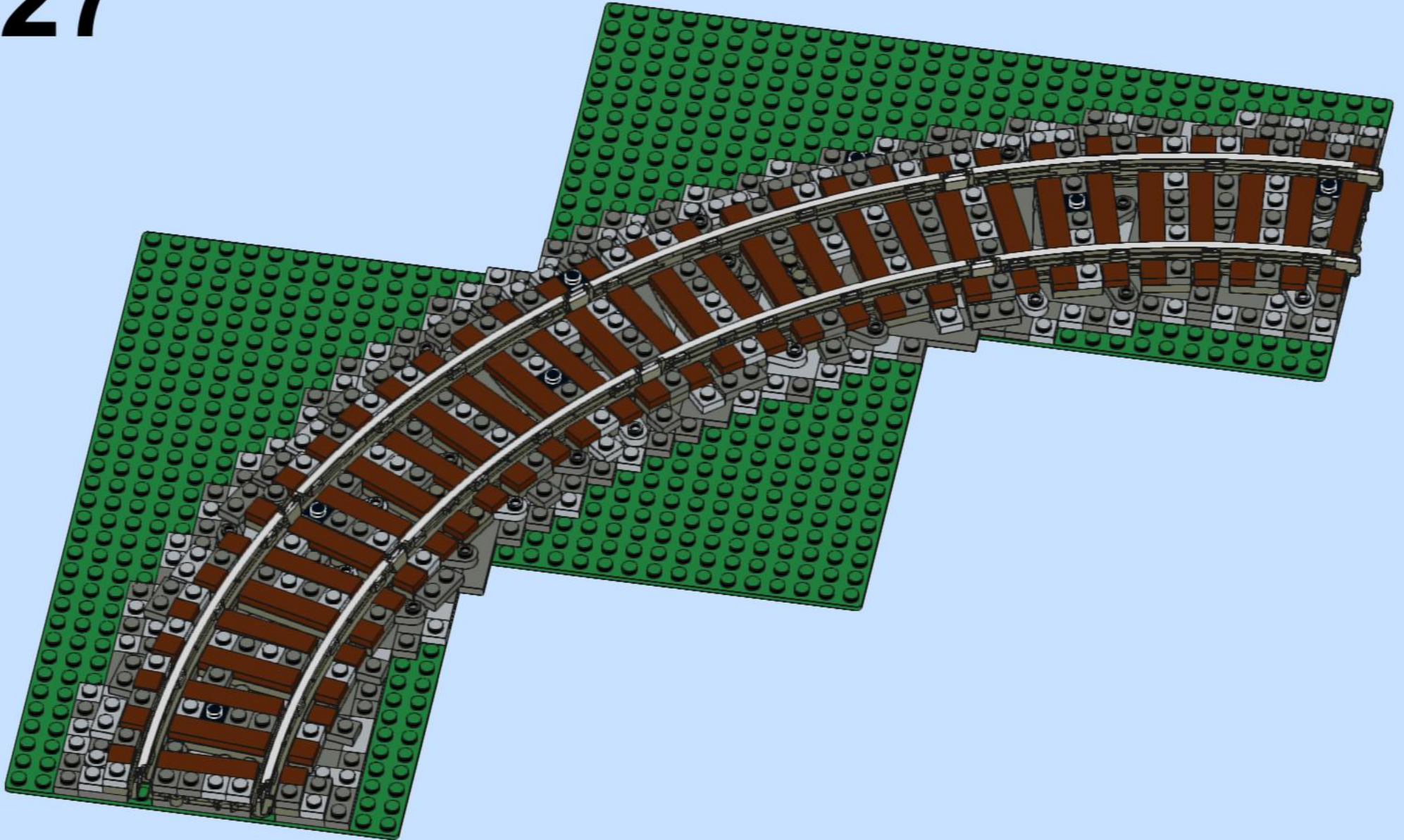
26

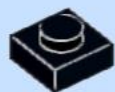
					
3x	3x	27x	31x	2x	7x



Pieces added in this step are for looks only and can be replaced with tiles, supplemented, or deleted as preferred by the builder. Any ballast color may be used.

27

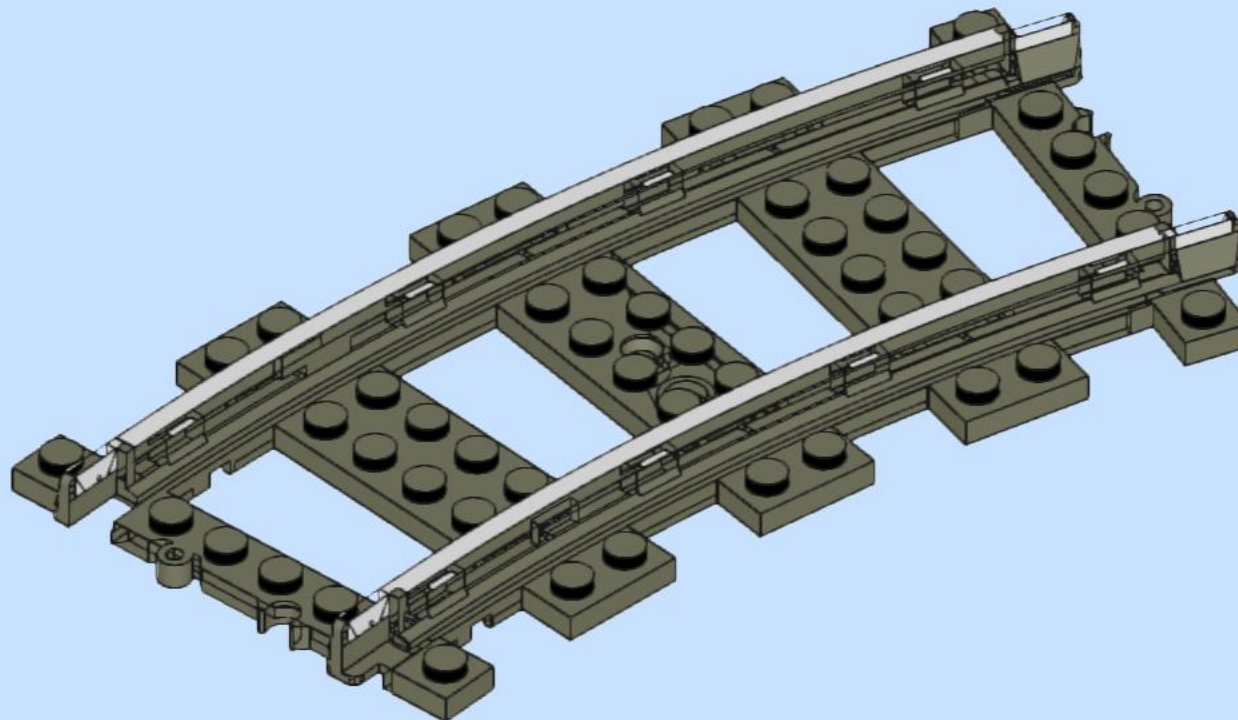




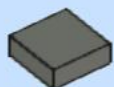
7x
302426



1x
368026



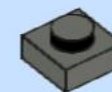
4x



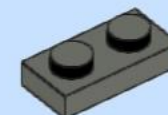
21x
4210848



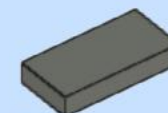
5x
4210633



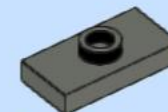
141x
4210719



42x
4211063



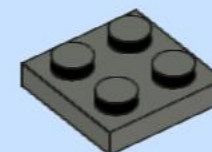
32x
4211052



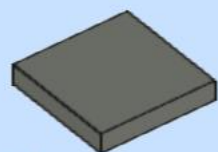
12x
6092572



12x
6221607



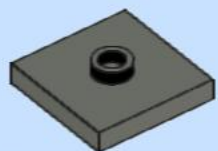
6x
4211094



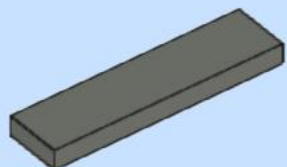
26x
4211055



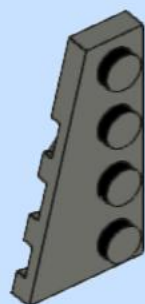
5x
4210635



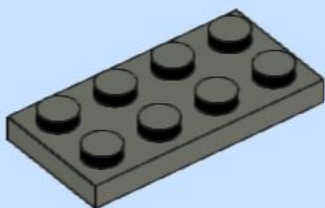
3x
6126083



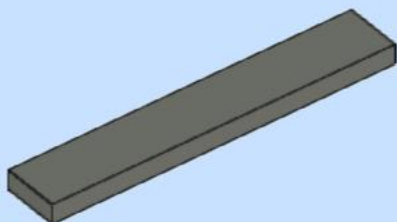
10x
4211053



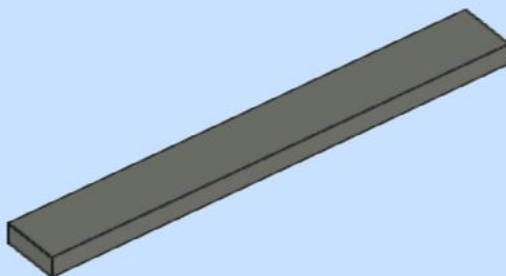
3x
4210788



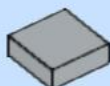
2x
4211065



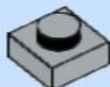
4x
4210651



5x
4211008



19x
4211415



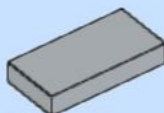
122x
4211399



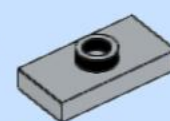
7x
6168647



1x
4211525



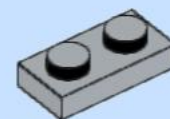
23x
4211414



5x
6066097



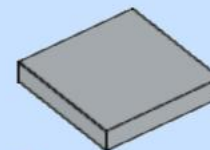
11x
6248890



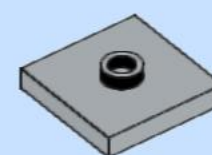
9x
4211398



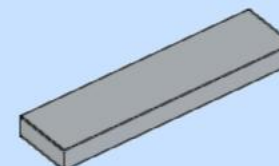
1x
4540203



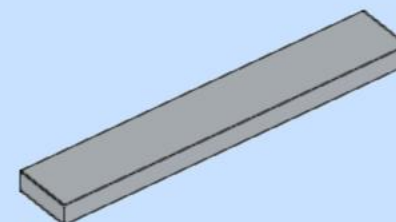
7x
4211413



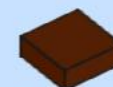
5x
6126082



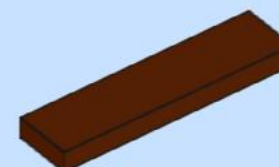
11x
4211356



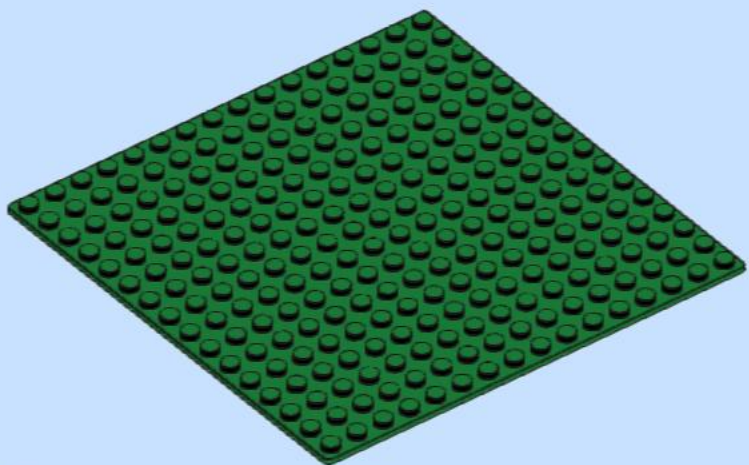
3x
4211549



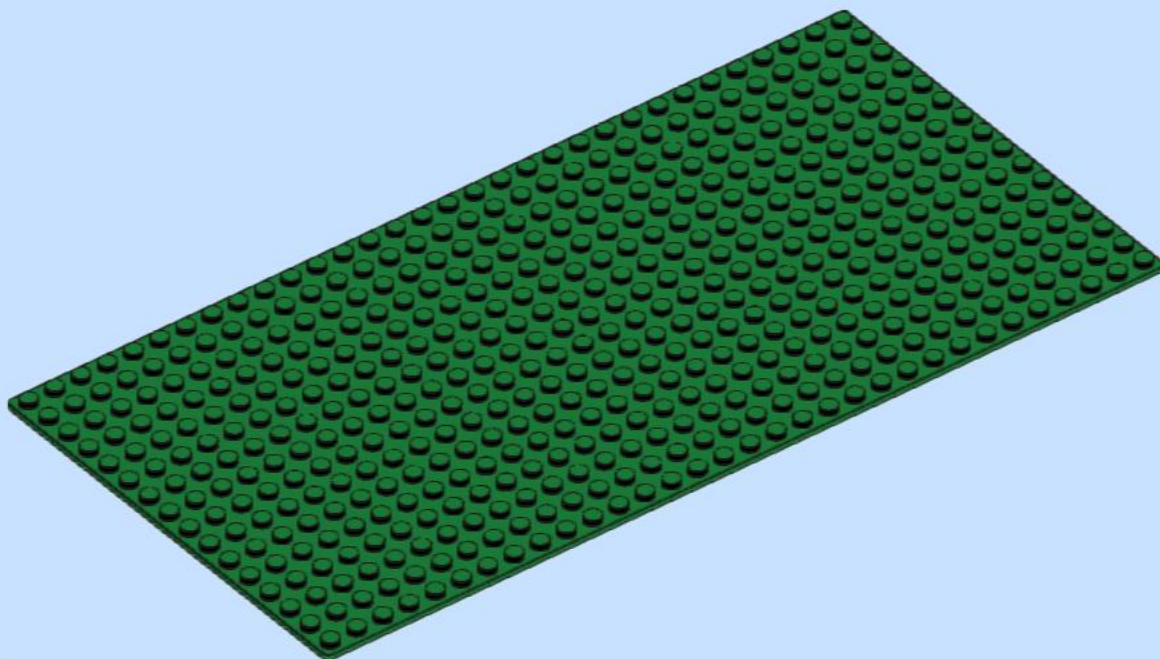
64x
4211288



32x
4211194



1x
4217115



2x
4219615

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