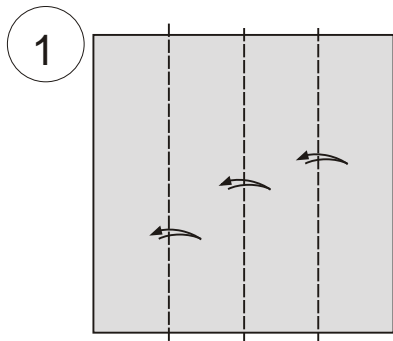
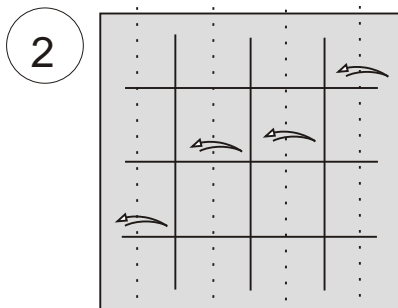


# Train Engine

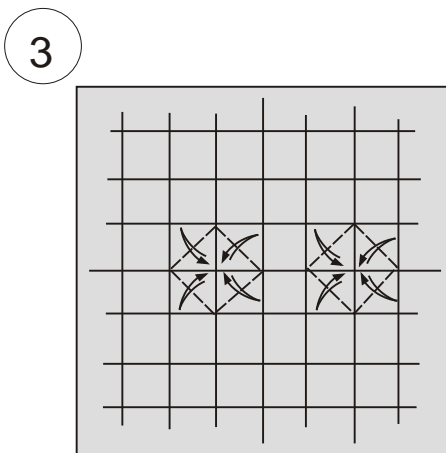
Start with color side up.



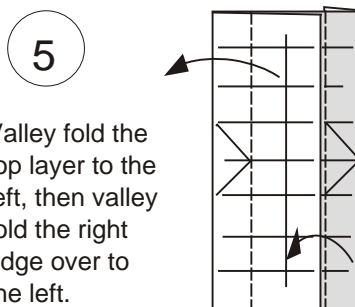
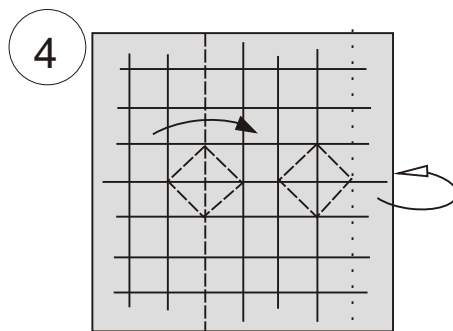
Valley fold the paper into quarters and then unfold. Rotate 90 degrees and repeat.



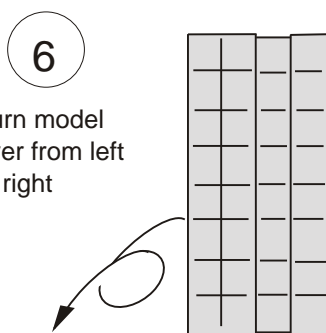
Mountain fold into eighths, and unfold. Rotate 90 degrees, and repeat.



Carefully crease the diagonals as shown.

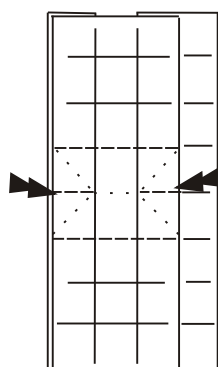


Valley fold the top layer to the left, then valley fold the right edge over to the left.



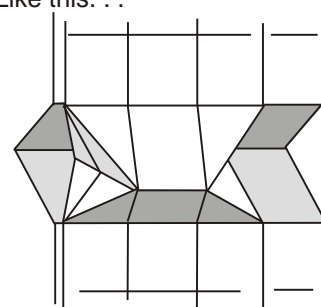
Turn model over from left to right

7 This is the tricky part.

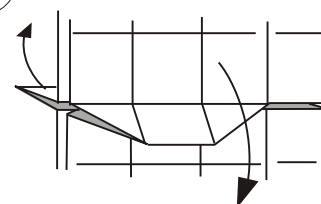


Push in the edges of the paper. This will collapse the paper in between and make the model 3-D. The uppermost layer of paper will have to come toward you, while the back paper will go away from you.

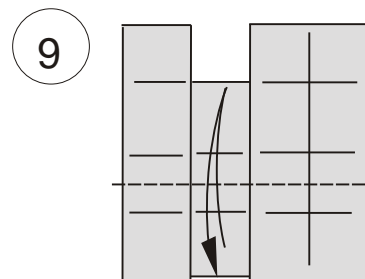
Like this. . .



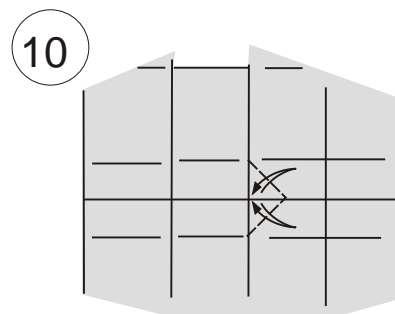
8 . . . until it looks like this.



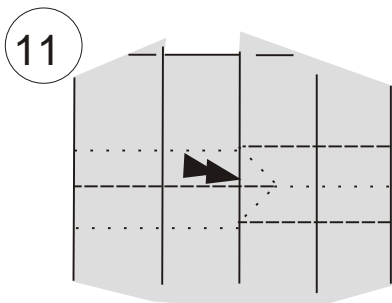
Fold the top down so that the whole model is flat.



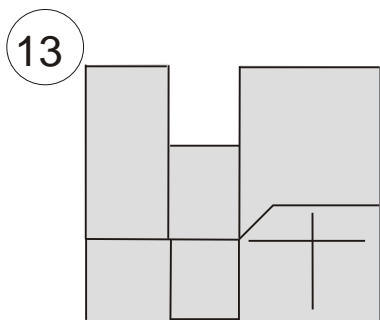
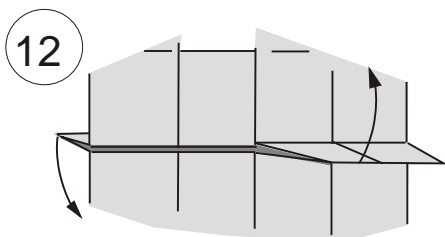
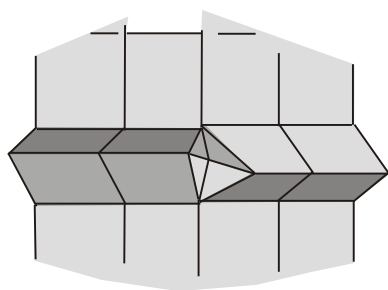
Valley fold the bottom edge up to the sunken edge, and then unfold.



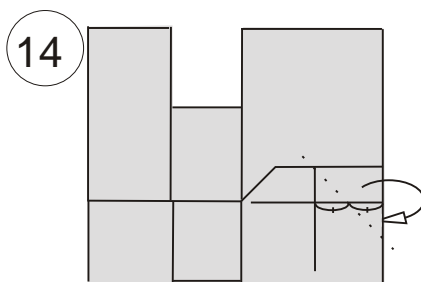
Make diagonal creases on either side of the crease you made in the previous step.



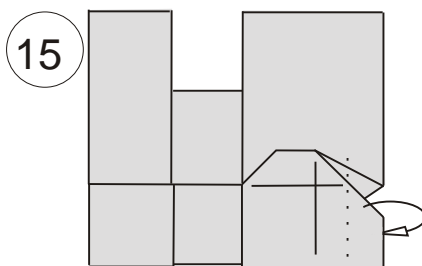
This is basically the same collapse as in step 7. Push in the edge of the paper. The top right layer comes out towards you, while the left hand side goes back, away from you.



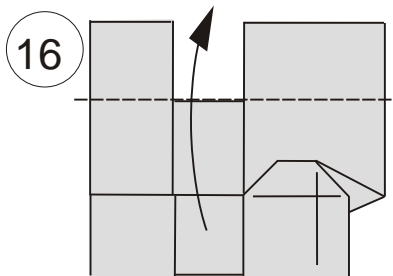
repeat steps 11 and 12 on the the back side.



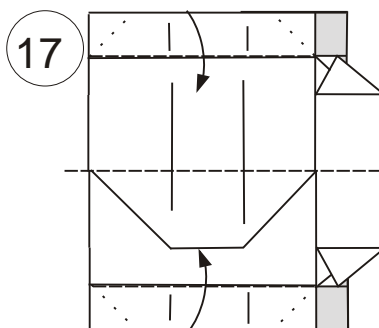
Make an asymetrical inside reverse fold. Repeat behind.



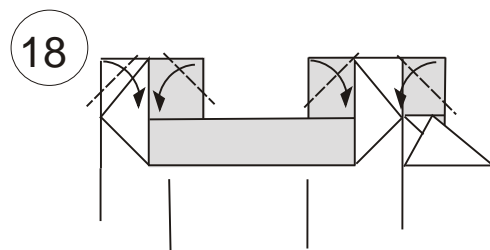
Inside reverse fold the right edge behind. Repeat behind.



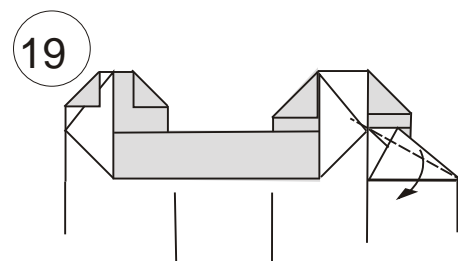
Valley fold the top layer upwards.



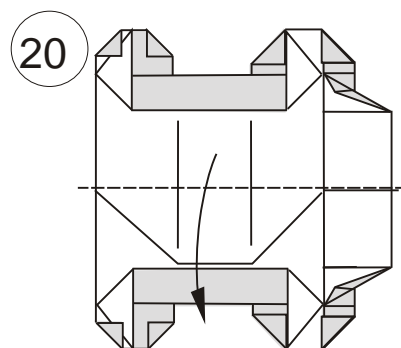
Valley fold the top edge down, squashing the corners flat. Repeat on the bottom edge.



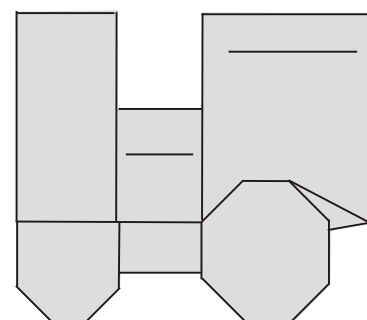
Valley Fold the corners to round out the wheels. Repeat on the lower edge



Valley fold. Repeat on lower edge.



Valley fold the top paper down.

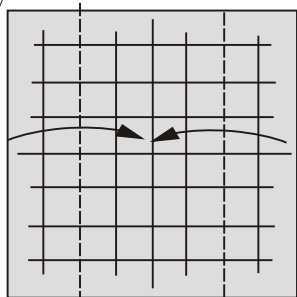


I knew you could!  
I knew you could!

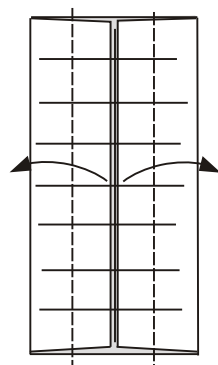
# Train cars

Start with color side up.  
Crease an 8x8 grid to start.

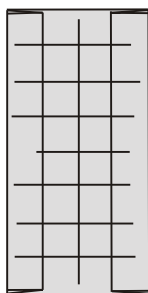
1



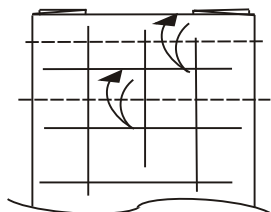
2



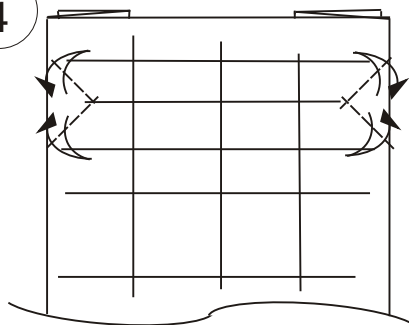
Like this. . .



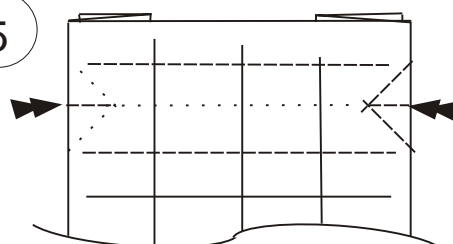
3



4

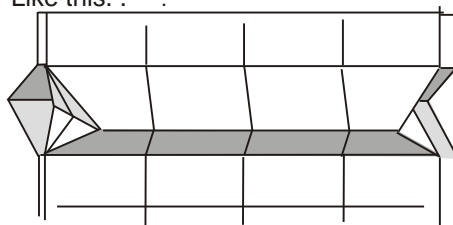


5

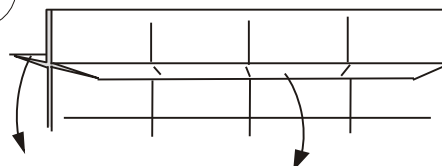


Push in the edges of the paper.  
This will collapse the paper in  
between and make the model 3-  
D. The uppermost layer of paper  
will have to come toward you,  
while the back paper will go away  
from you.

Like this. . .

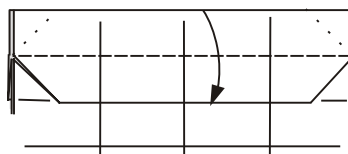


6



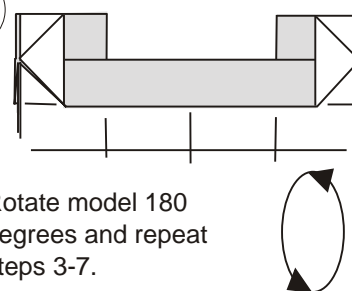
Fold the large flap and the two  
back flaps downward (toward  
the center of the paper)

7



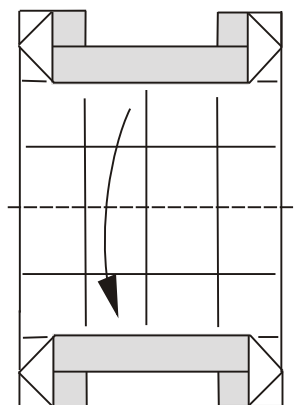
Valley fold the top edge  
down, squashing the  
corners flat.

8

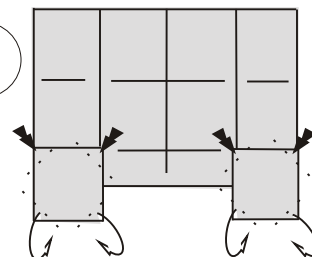


Rotate model 180  
degrees and repeat  
steps 3-7.

9



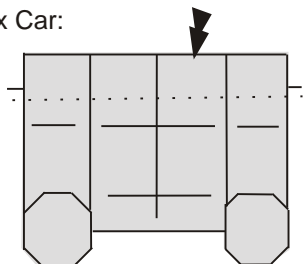
10



Mountain fold the lower halves  
of the wheels. Inside reverse  
fold the upper halves.  
Repeat behind.

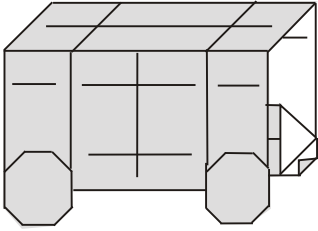
Box Car:

11

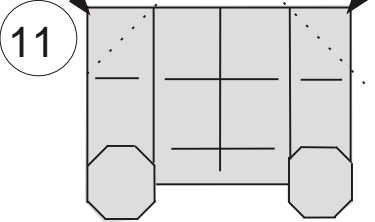


To make the box car more 3-  
D, partially mountain fold and  
repeat behind.

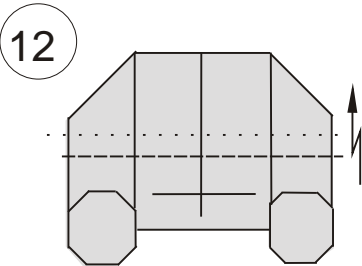
Like so . . .



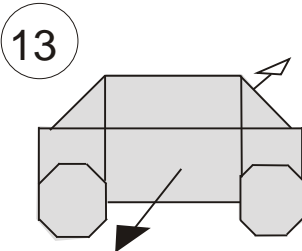
Coalcar:  
Start with step 10.



Inside Reverse fold the corners.

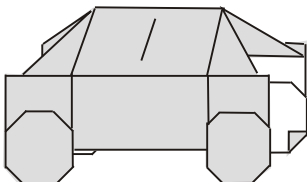


Pleat the side.  
Repeat behind.

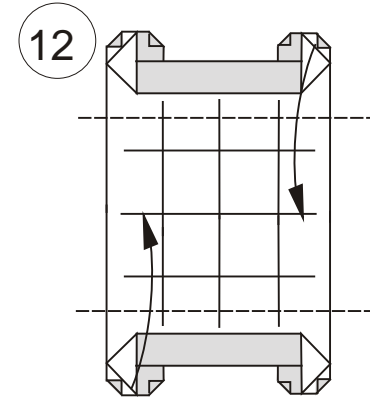
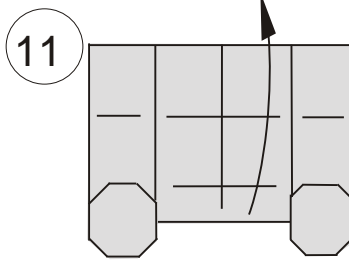


You can make the coal car 3-D as well, by pulling the sides away from each other.

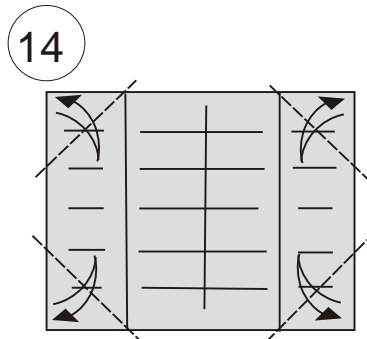
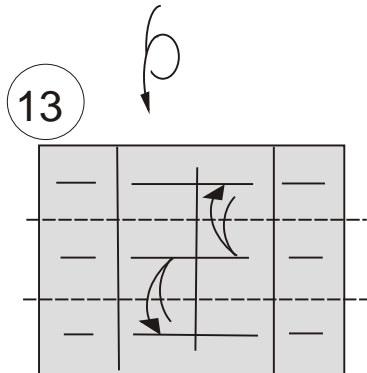
Like so . . .



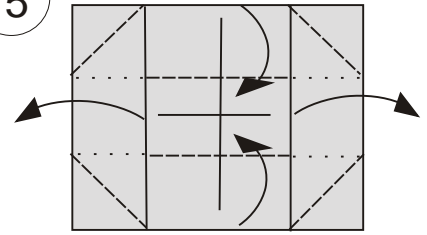
Another car:  
Start with step 10.



Valley fold to centerline.

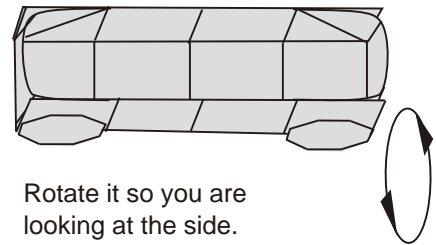


15



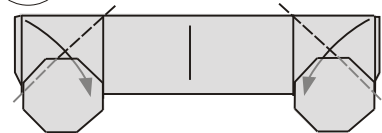
Pull the sides up and out. This will make the top and bottom to fold up, making a box.

Like this. . .

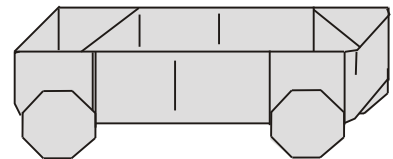


Rotate it so you are looking at the side.

16

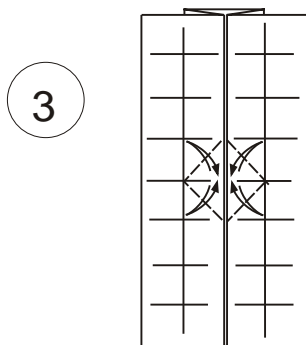
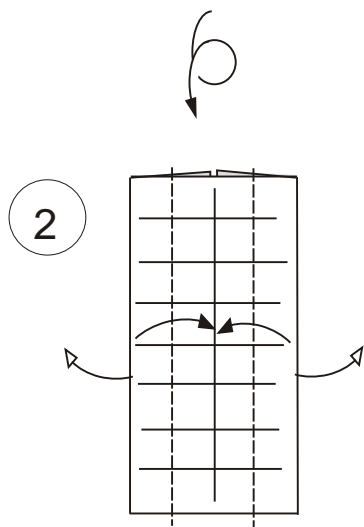
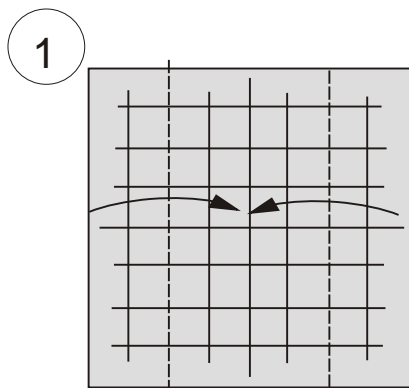


Valley fold the corners, tuck behind the wheels. Repeat behind. This helps lock the shape together.

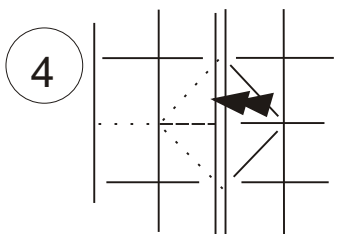


# Train Caboose

Start with color side up.  
Crease an 8x8 grid to start.

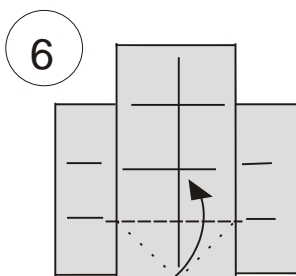
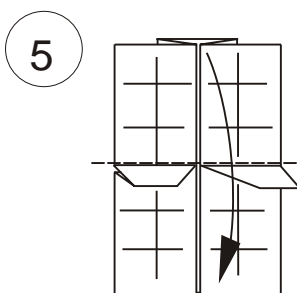
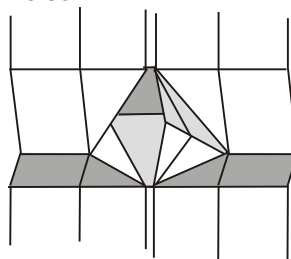


Crease the diagonals through the center four squares.

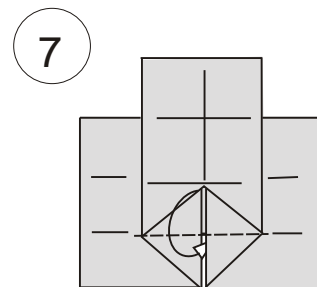


Push in the edge of the paper, collapsing the paper in between and make the model 3-D. The top layer of paper will come toward you, while the back paper will go away from you. The right side of the paper should be collapsed identically and simultaneously (not drawn for clarity)

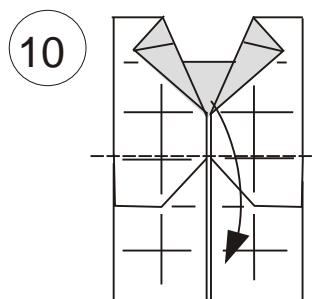
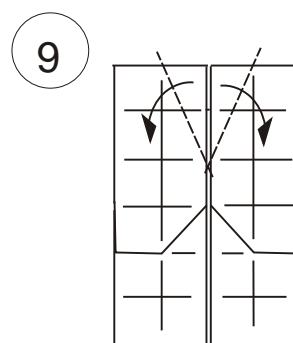
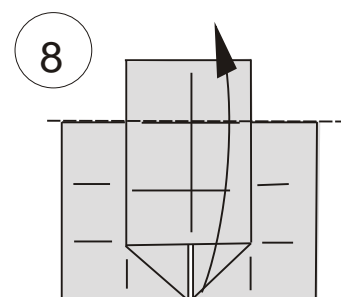
Like so:

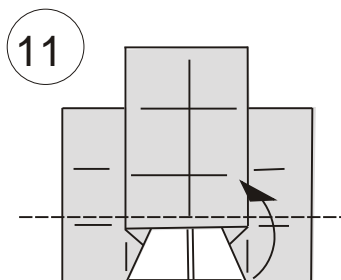


Squash fold the bottom edge of the paper upwards. Repeat behind.

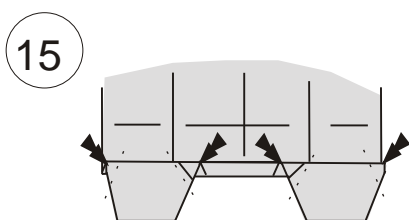


Tuck the triangle inside the body. Repeat behind.



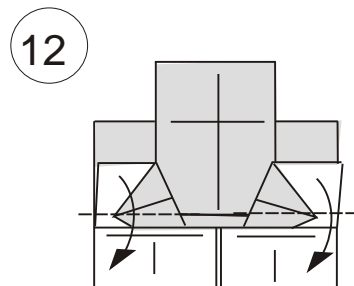


11

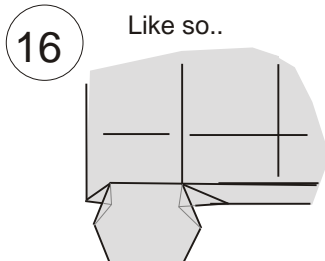


15

Inside reverse fold the upper corners to round off the wheels. This is an asymmetrical fold, pulling more from the front than the back.



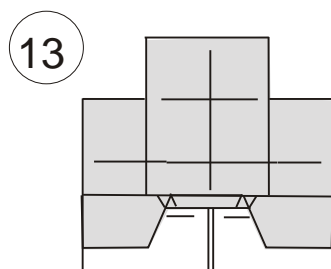
12



16

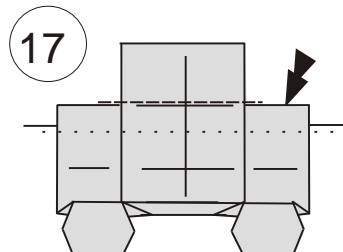
Like so..

Turn over and repeat shaping all four wheels.



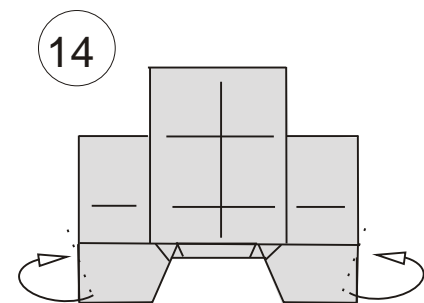
13

Turn over.  
Repeat steps 8 to 12.



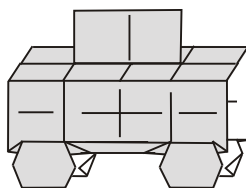
17

To make the car more 3-D, partially mountain fold and repeat behind.

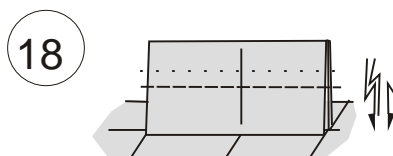


14

Like so. . .



The next step is a closeup of the top.



18

Crimp the top down unevenly, pulling the middle edge to either side.

Like so..

