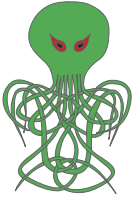


7.50 inches [19.05 cm]

Inches



W4



W2



W3



W2



W1



W4



W3



W1

Wheels



W4



W2



W3



W2



W1



W4



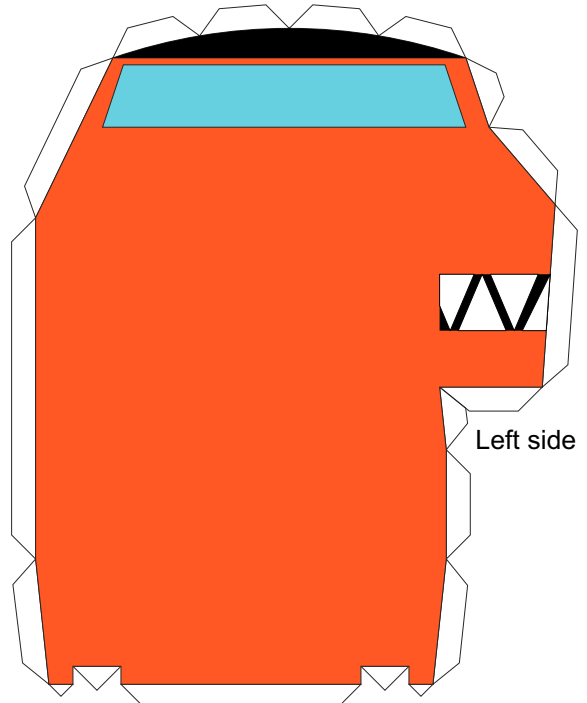
W3



W1

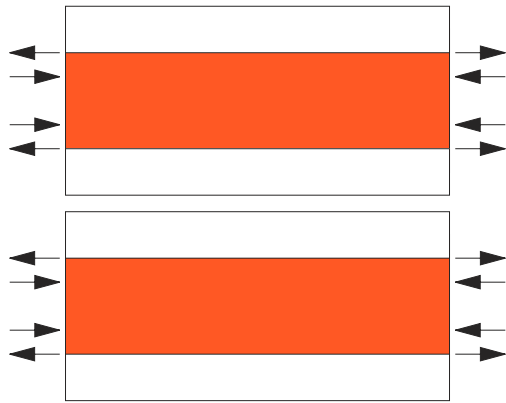
Axles: 2 ea, .1875 x 2.625 inch

Wheel strips - see instructions



Left side

Axle boxes



10.00 inches [25.40 cm]

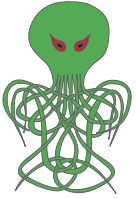
cm

cm

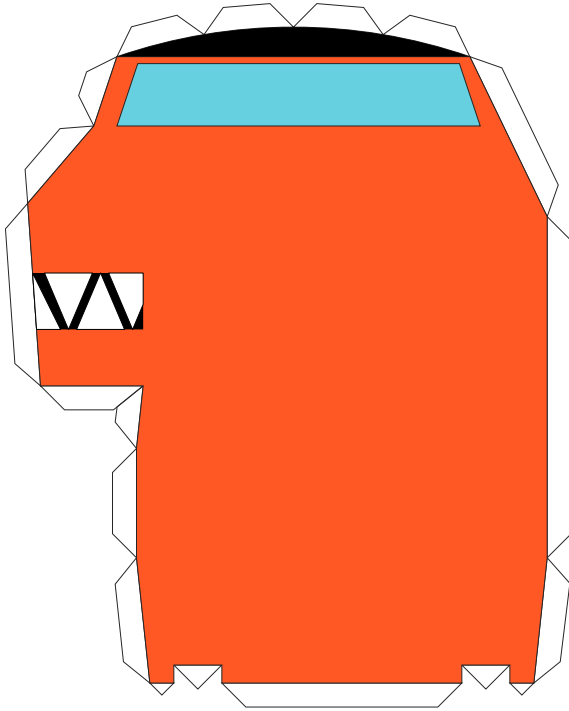
inches

7.50 inches [19.05 cm]

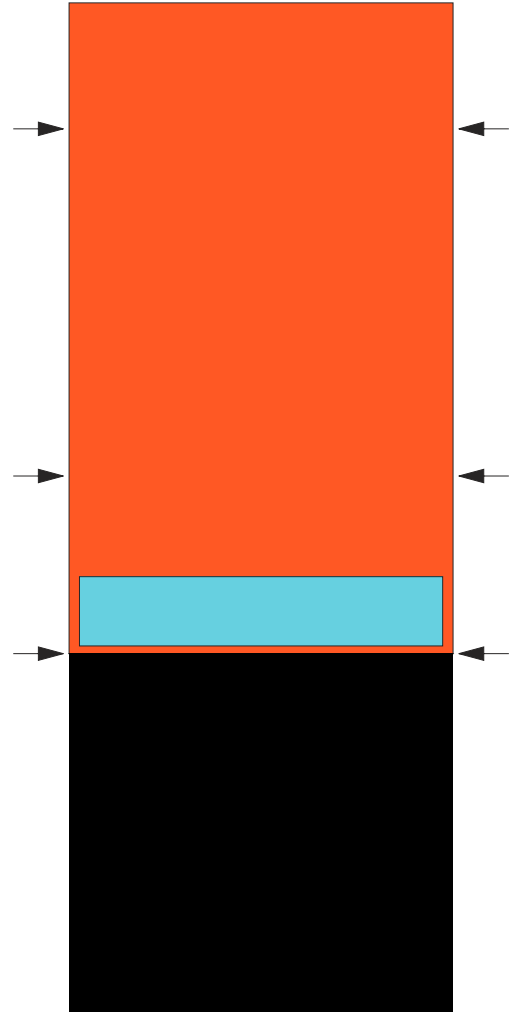
inches



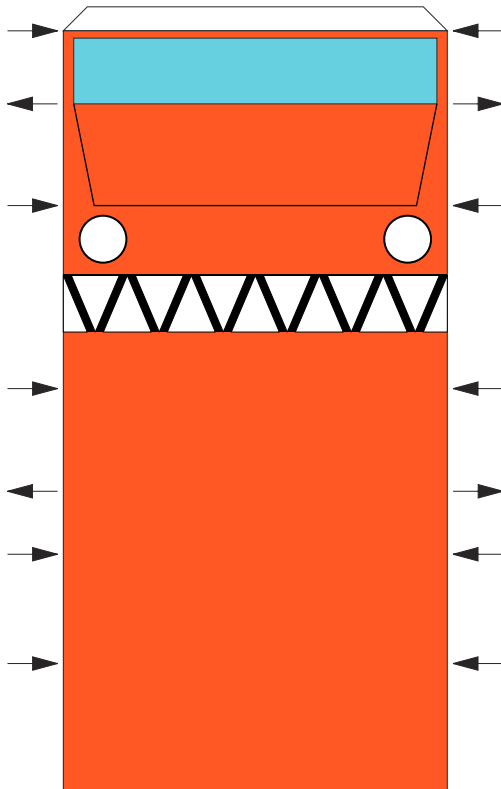
Right side



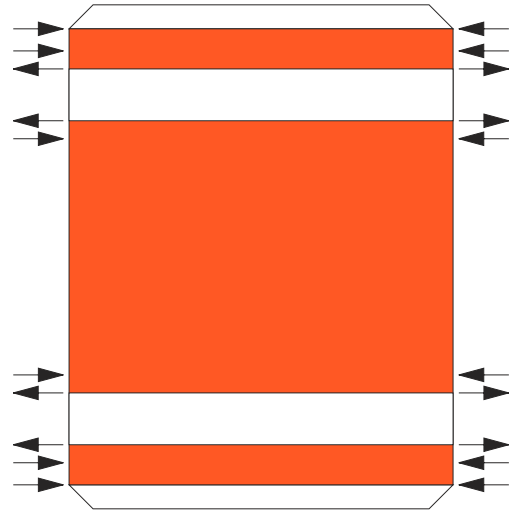
Back and top



Front



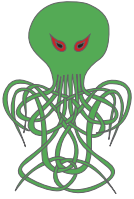
Bottom



10.00 inches [25.40 cm]

cm

cm



Please read ALL of these instructions before beginning.

This is a model of "Truck-Ra," a creation of John Allison for his Web comic, "Scary-Go-Round." The model is intended to be printed at 7.5 inches by 10 inches (190.5mm x 254mm), so it should print correctly on US Letter or A4 size sheets of 90 lb (165 gram per square meter) index card.

The finished scale model is about 3.5 inches (90 mm) tall.

All parts are assembled with the printed side facing out. Use the image on this page for reference.

Most fold lines are indicated by pairs of arrows; score parts carefully, using these arrows as guides. Arrows pointing toward the part indicate a peak fold (fold away from the printed side), while arrows pointing away from the part indicate a valley fold (fold toward the printed side). Additionally, score all the tabs on the RIGHT SIDE and LEFT SIDE parts. These tabs will all be peak folds.

1. Begin by scoring and cutting out the RIGHT SIDE and the LEFT SIDE. Pre-fold all the tabs, and set the parts aside.

2. Score and cut out the BOTTOM. Pre-fold all the scored lines; you should end up with a profile like this:



with the printed side facing down.

3. Glue the BOTTOM to the RIGHT SIDE and the LEFT SIDE, paying close attention to the alignment; it doesn't matter which side you glue first, and the BOTTOM has no front or rear.

4. Score and cut out the AXLE BOXES. Pre-fold all the scored lines, form and glue the AXLE BOXES into tubes. Glue the white sides of the two AXLE BOXES to the BOTTOM at the white areas in the slots.

5. Score and cut out the FRONT. Pre-fold all the scored lines. Glue the FRONT to the BOTTOM and to the RIGHT SIDE and the LEFT SIDE.

6. Score and cut out the BACK AND TOP. Pre-fold all the scored lines. Glue the BACK AND TOP to the BOTTOM and to the RIGHT SIDE and the LEFT SIDE.

7. Cut out parts W1. Wrap each part W1 around whatever you are using for an axle and glue where it overlaps without gluing the part to the axle. The glued part should not fall off the axle, but should be easily removable. I used 3/16 inch diameter paper lollipop sticks cut to a length of 2-5/8 inches for my axles, and the model is designed around an axle of this size.

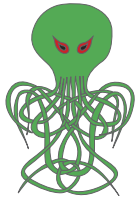
8. Cut out the twelve WHEEL STRIPS. You will need three WHEEL STRIPS for each wheel. Glue an end of one WHEEL STRIP to one part W1. Carefully and neatly wrap the WHEEL STRIP around on itself, applying a thin coat of glue as you proceed, until you reach the WHEEL STRIP's end. Make sure the end is glued down tight, then butt the end of another WHEEL STRIP against the end of the first and continue to wrap and glue. Repeat for a third WHEEL STRIP, then repeat this step for each of the other three wheels.

9. Once the built-up wheels are dry, cut out the four parts W2 and glue one part W2 to one side of each wheel. Cut out the center (marked with a red X) of each part W3. Cut out the four parts W3 and glue one part W3 to the other side of each wheel. Cut out the four parts W4 and glue one to the outside of each wheel in the same manner as the WHEEL STRIPS. If the parts W2 and W3 are too large in diameter, trim them to fit. Color the edges with black marker or pencil to hide them.

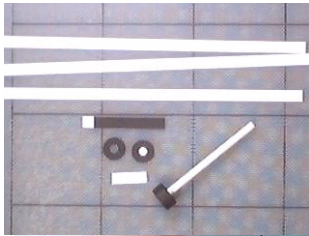
NOTE: The final diameter of your wheels will depend upon the thickness of the paper you use. Trimming and coloring may be necessary for them to look good.

10. Cut your two axles to a length of 2-5/8 inches, using the gauge printed on the first parts page. Apply just a drop of glue to one end of each axle, and slide the glued end into a wheel. Remove any excess glue that squeezes out around the axles. Slip the axles through the AXLE BOXES and glue wheels to the other ends of the axles.





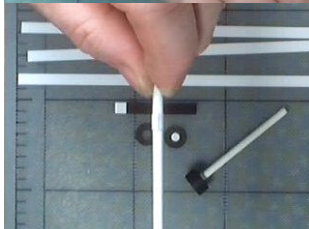
Wheel Assembly



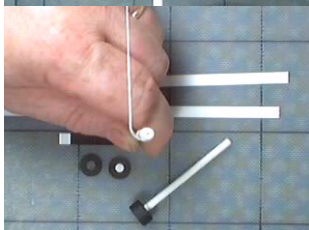
All the parts to make one wheel, and a finished wheel on the axle.



Part W1 formed into a cylinder.



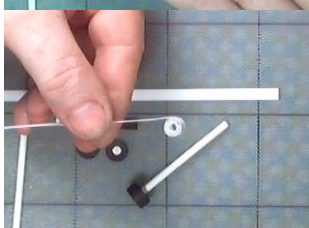
Part W1 formed around the axle and glued. Note that it is not glued to the axle.



A wheel strip glued to part W1 and started around the outside.



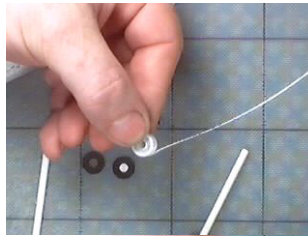
The wheel with the first wheel strip glued completely around and removed from the axle.



A second wheel strip started. Note that it is easier to work with the wheel off the axle at this point.



The wheel with the second wheel strip glued completely around.



The third wheel strip started.



The third wheel strip glued completely around.



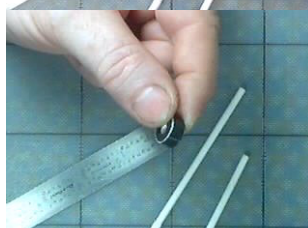
Part W2 glued to one side of the wheel.



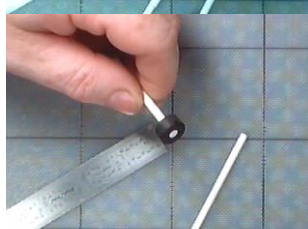
Part W3 glued to the other side of the wheel.



Part W4 started.



Part W4 glued completely around. Note the white edges of the paper.



The finished wheel with the edges colored with a black marker. The wheel is glued onto the axle.