

# SIEGE ENGINES



## FAT DRAGON GAMES

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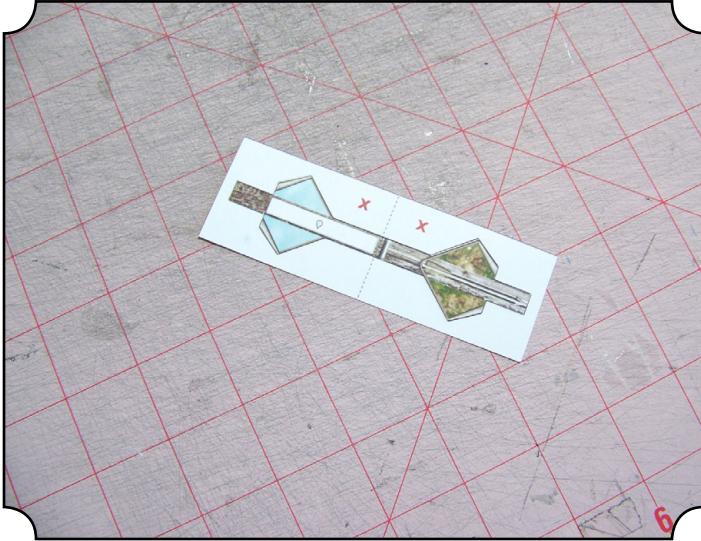
Note: Before proceeding with these instructions, please read the beginners guide PDF document included with this model which includes a complete list of necessary materials to construct this model. We recommend that you browse all the way through this set of instructions before beginning. Customers with CRAFTROBO and SILHOUETTE SD autocutters can download free GSD cut files for this set at the FDG website.



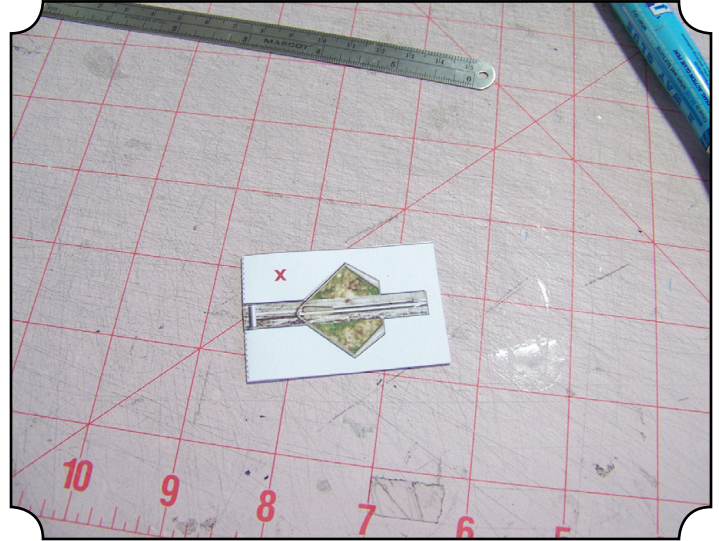




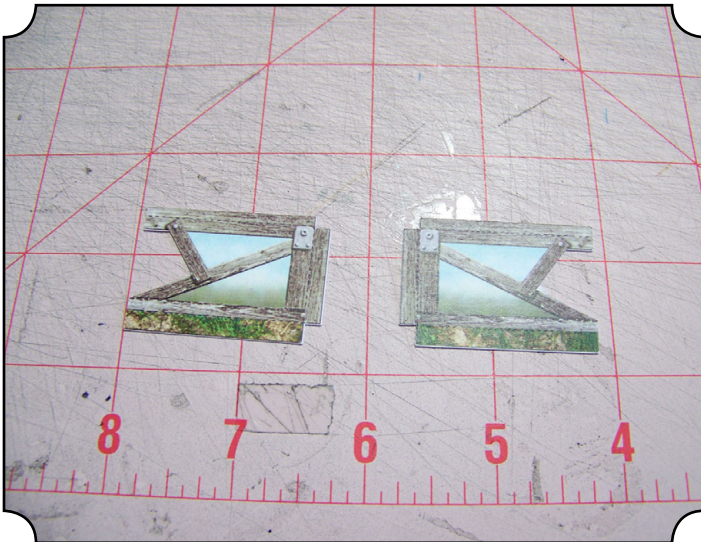
# BALLISTA



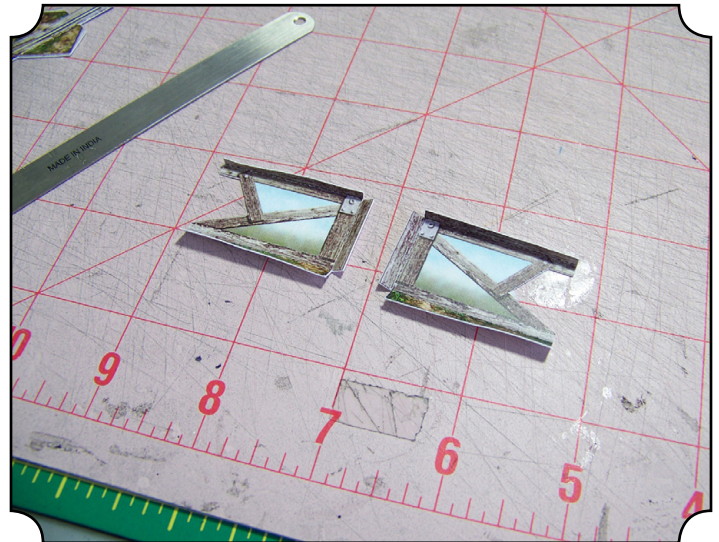
1: Cut and test fold the main ballista piece as shown.



2: Fold and glue in half as depicted above.

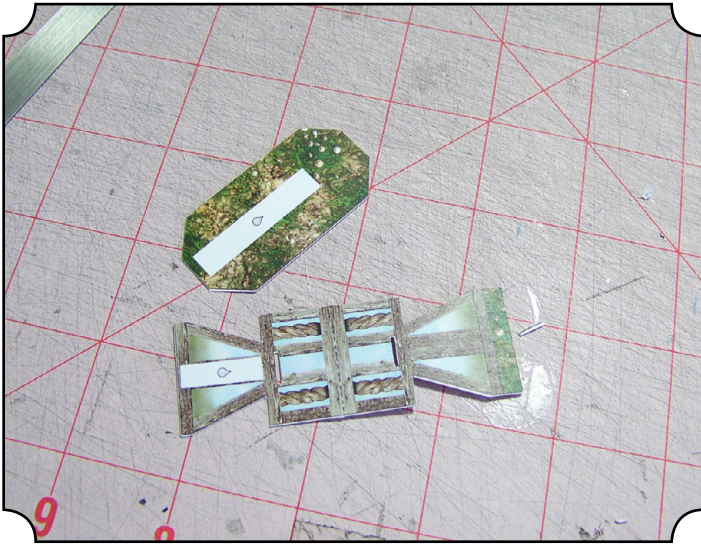


3: Cut the main support pieces as shown.



4: Fold the three tabs on each piece upward as shown above. Glue the pieces together being careful not to accidentally glue the tabs together.





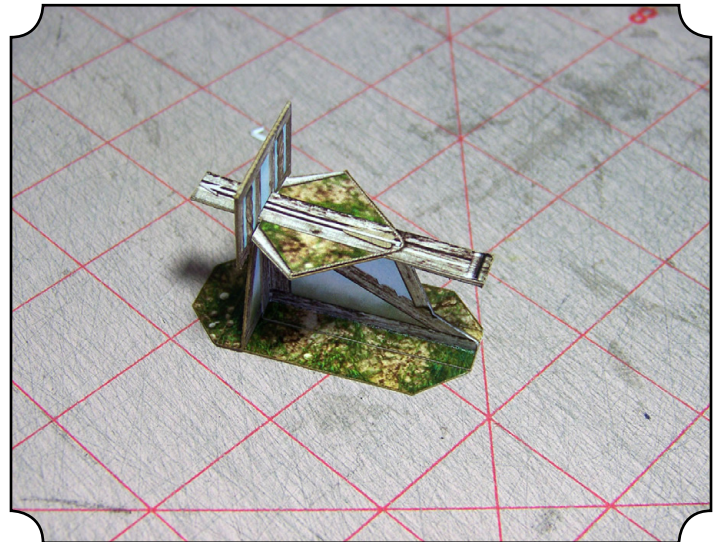
5: Cut and fold the front piece, making sure you have cut out the small rectangle in the middle of each face.



6: Allow all of the main pieces to completely dry before proceeding.



7: Flip the completed support upside down and glue to the main ballista piece.

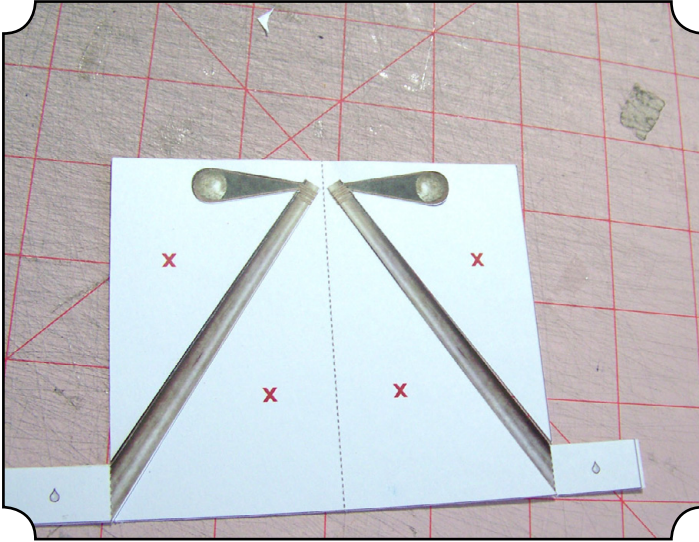


8: Insert the front piece over the main ballista piece as shown and glue. Attach this subassembly to the base piece once dry.

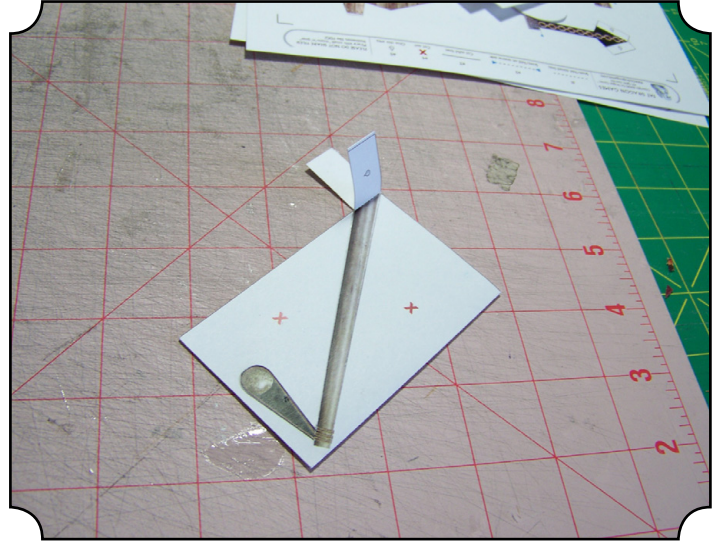




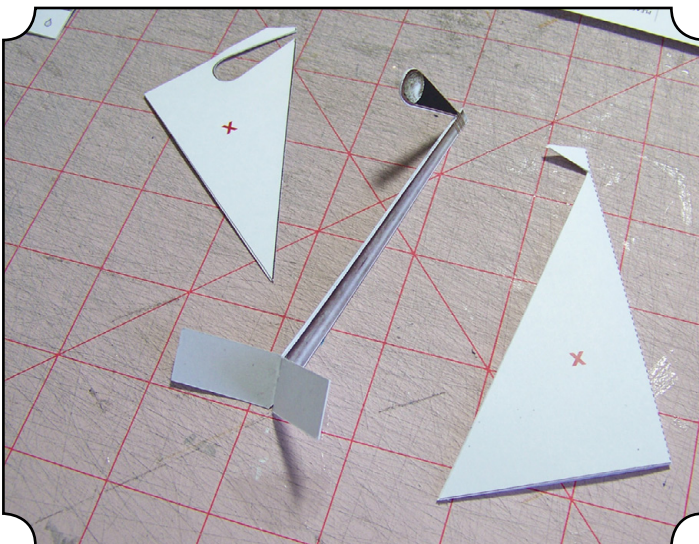
# CATAPULT



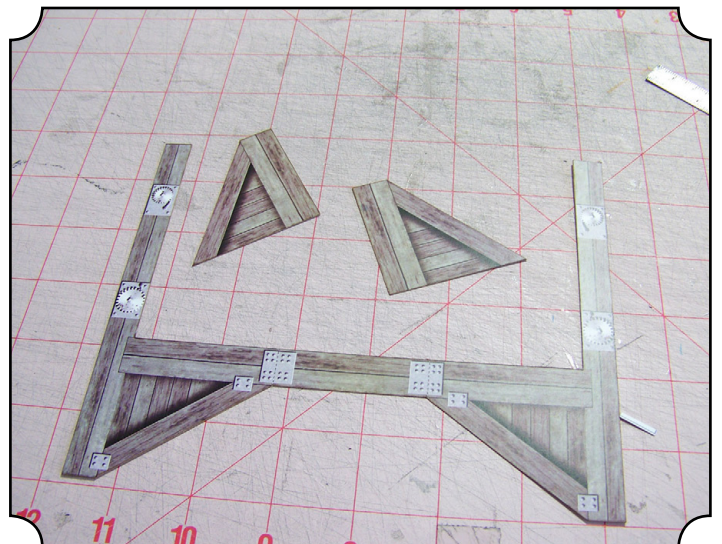
1: Cut the main catapult arm piece as shown above. Test fold it prior to proceeding to step 2.



2: Fold over and glue in half, being careful not to glue the two end tabs together.

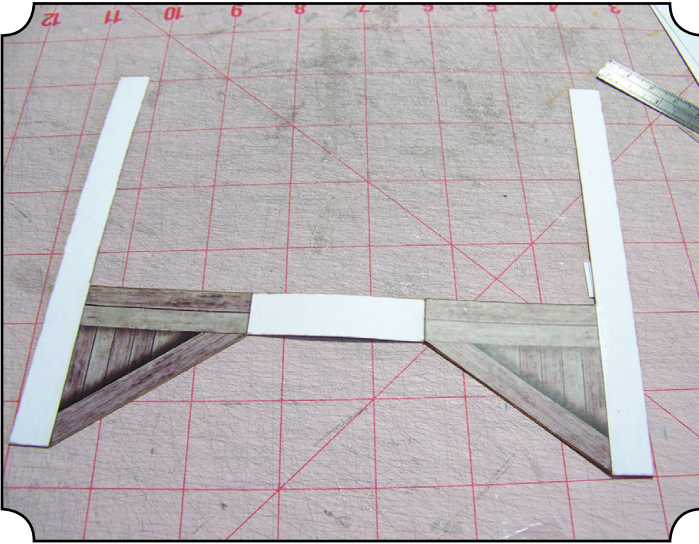


3: Once fully dry (usually overnight) you can trim away the excess cardstock as shown.

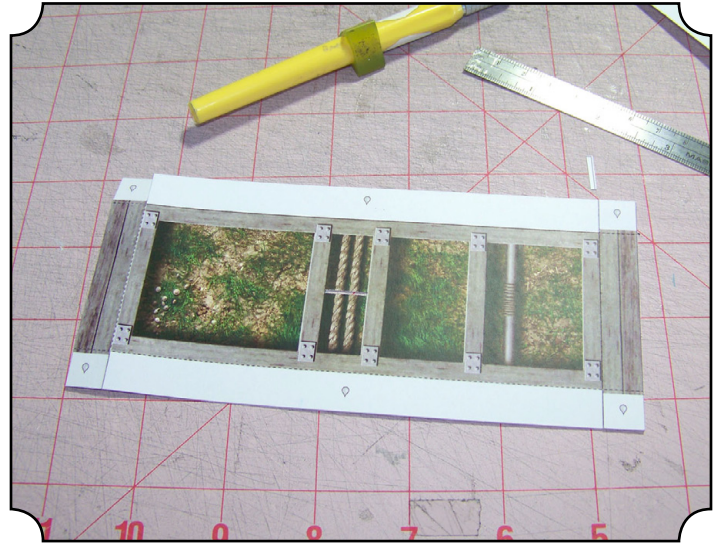


4: Cut and score the upper support section pieces as shown above.

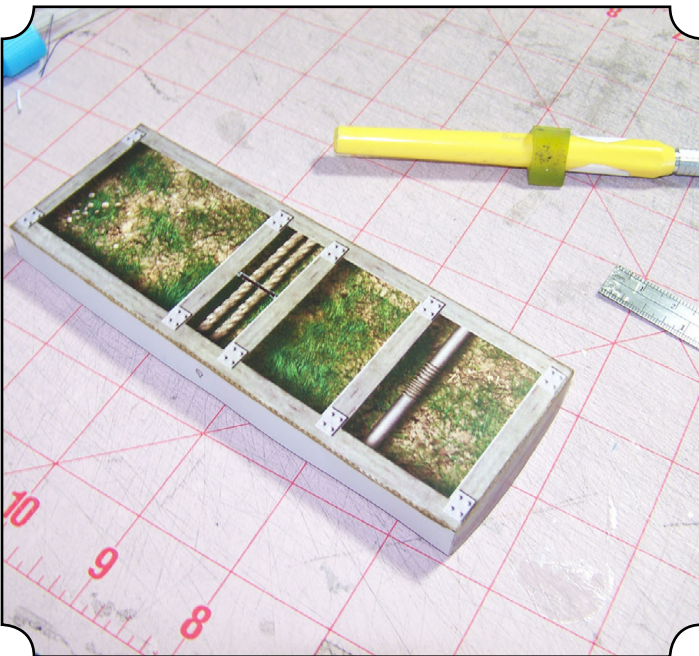




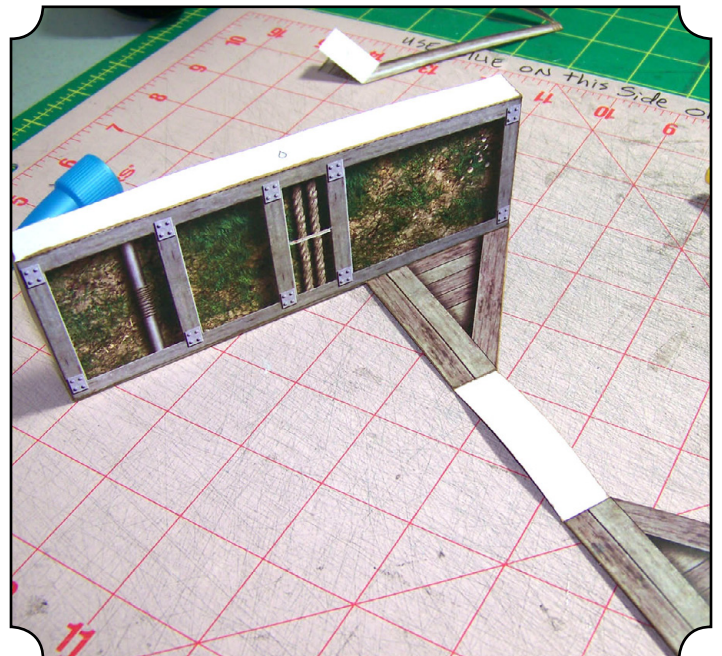
5: Glue the two triangular interior pieces to the back of the main piece.



6: Cut, score and test fold the base piece.

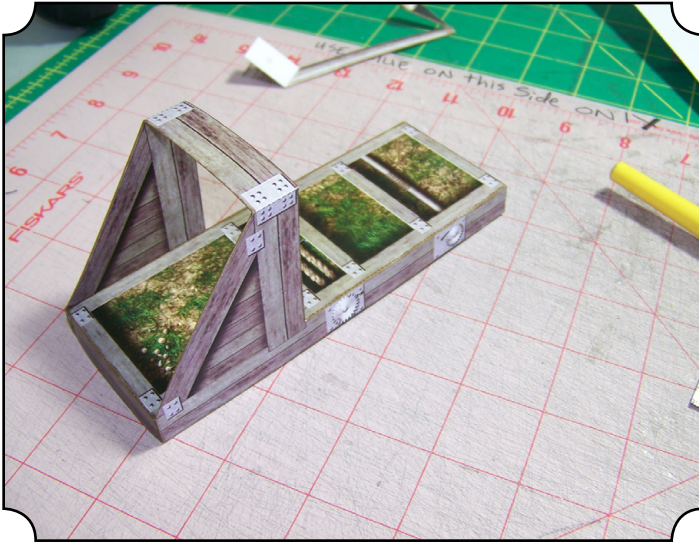


7: Fold and glue the sides of the base as shown above.

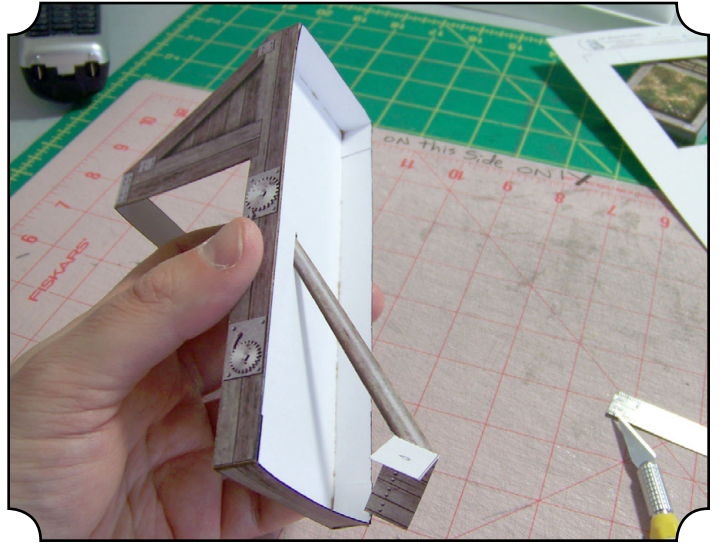


8: Glue one side of the support piece as shown above.

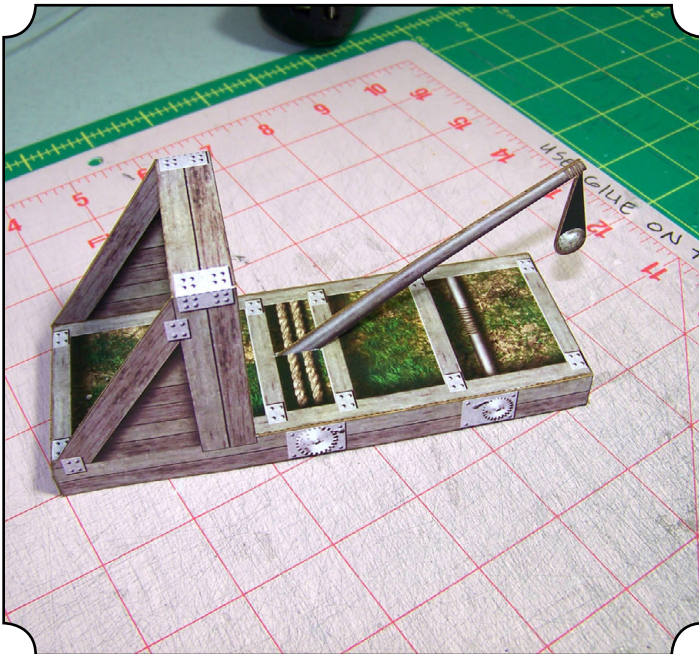




9: Glue the opposite side of the support piece and allow to fully dry.



10: Insert the catapult arm through the slot in the base and glue the two tabs from below.



12: Set aside to allow glue to fully dry before handling.





# RAM



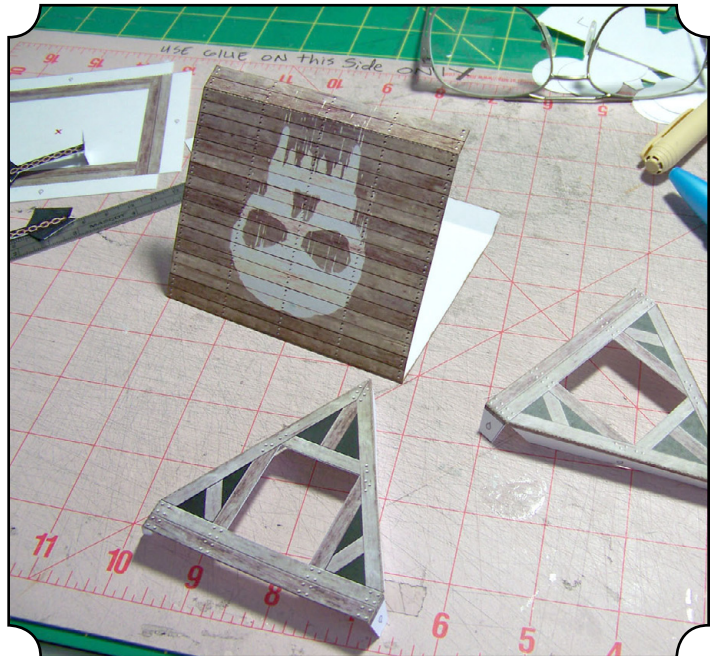
1: Cut, score and test fold the tree trunk as shown above.



2: Glue into a tube as shown and allow to fully dry. You can insert a small straight edge or pencil to apply pressure to the tab as the glue sets.

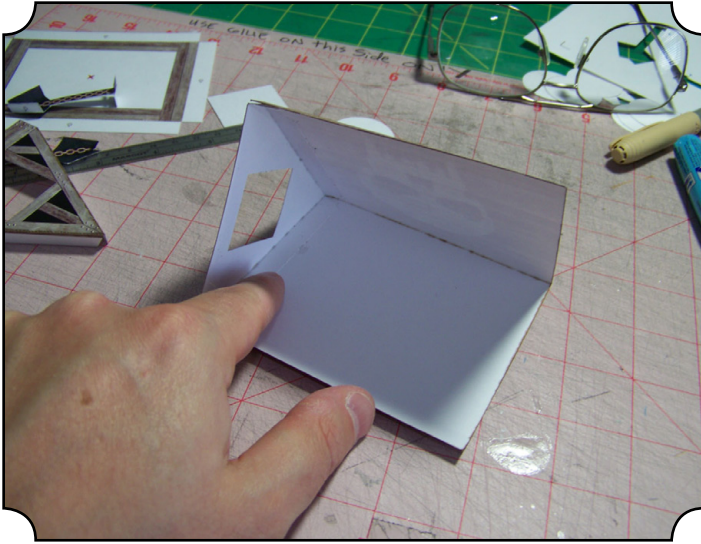


3: Fold and glue the ends.

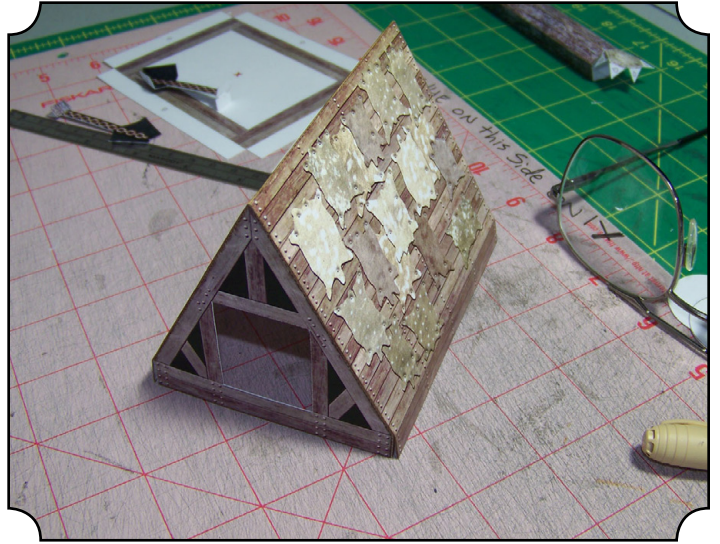


4: Cut, score and test fold the three main pieces for the shed as depicted above.

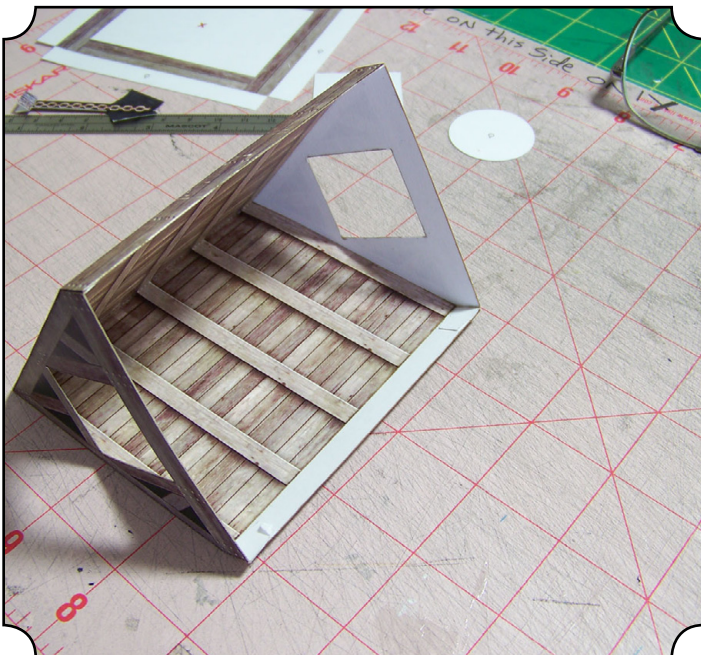




5: Glue an end piece to the main cover piece as shown.



6: Glue the opposite end.

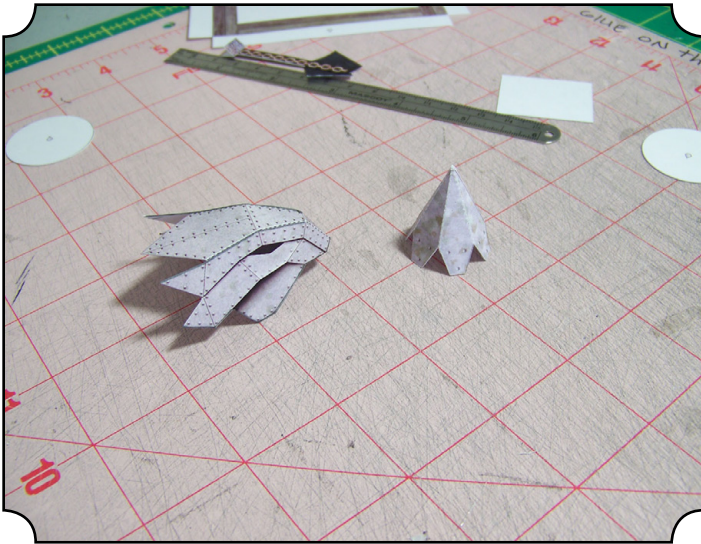


7: Insert the interior piece and glue into place as shown. The sides are the only areas really visible in the finished model unless you are at table level looking directly into the ram opening. If you desire interior pieces for the endcaps, just print a duplicate set of them, trim off the tabs, and glue into place.

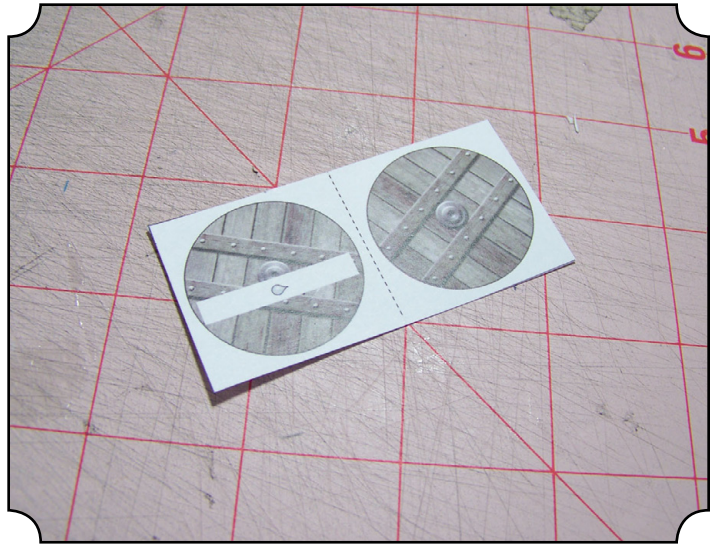


8: Cut, score and glue the ram head into a cone as shown above.

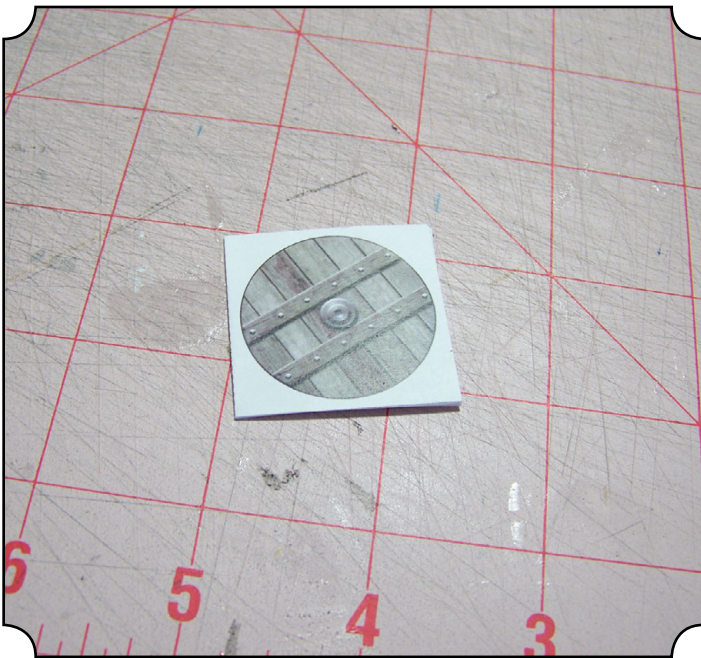




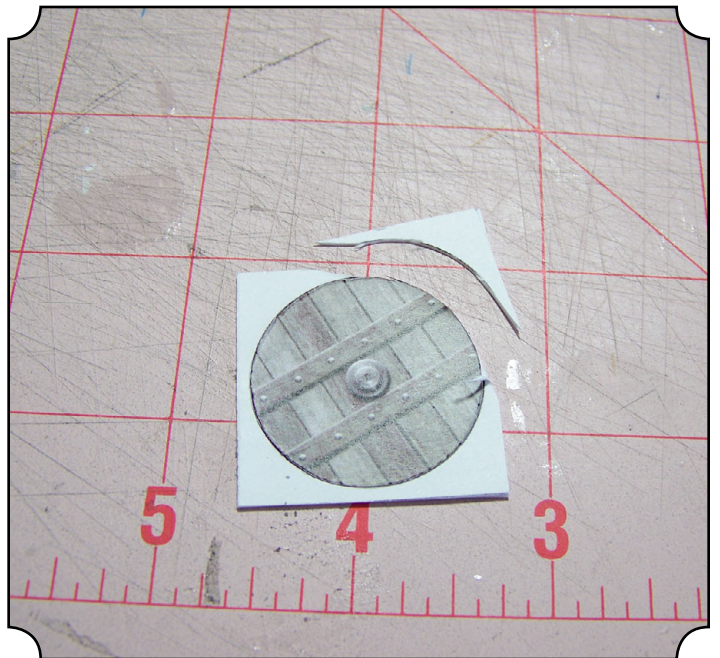
9: An optional dragon head is included as well.



10: The wheels can be easily cut if you take your time. Craft stores sell circle cutters in 1.25" diameters (usually \$10-20) if you'd prefer to take that route.

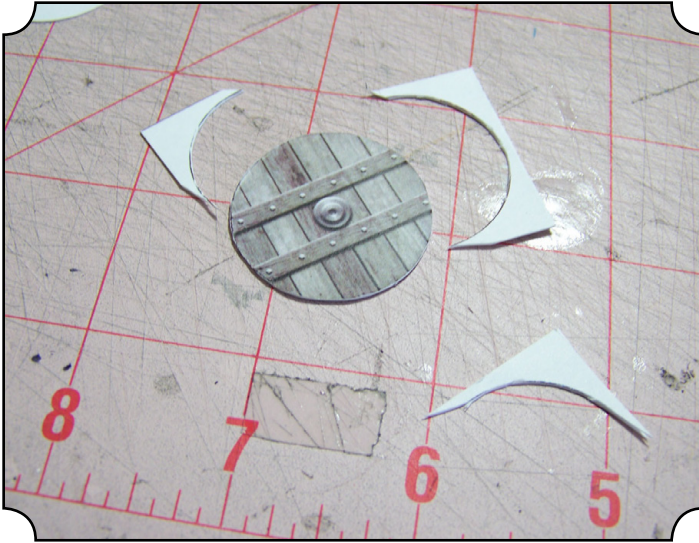


11: If you're cutting the wheels by hand, just fold each piece in half and glue. Allow to fully dry before proceeding.

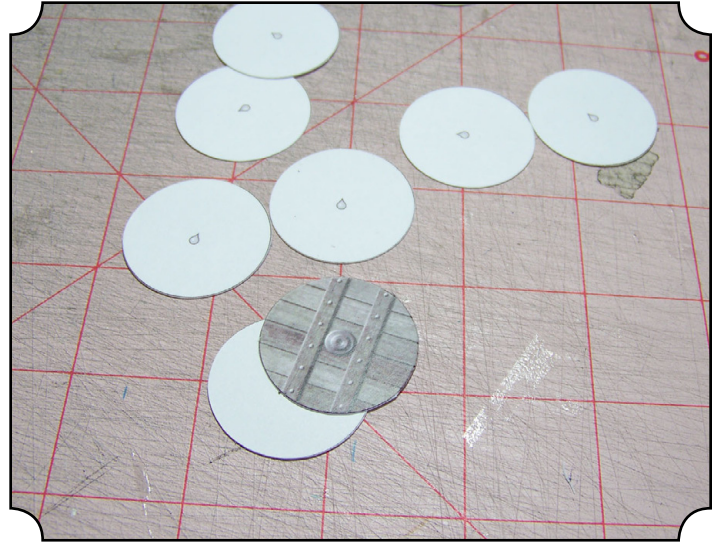


12: Begin trimming away the excess cardstock. It will go better if you make multiple light cuts rather than trying to cut through two layers of cardstock in one pass.





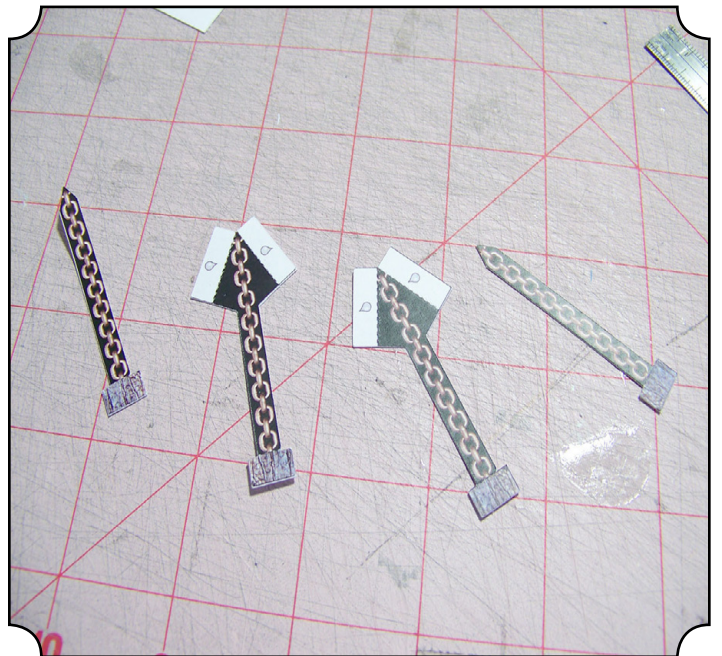
13: Continue cutting until you have a finished wheel. Sandpaper can be employed to smooth out the edges.



14: If you prefer true scale width wheels, just cut apart the white 'filler' discs as shown above. You can glue these together in successive layers and glue the textured wheels on the ends.

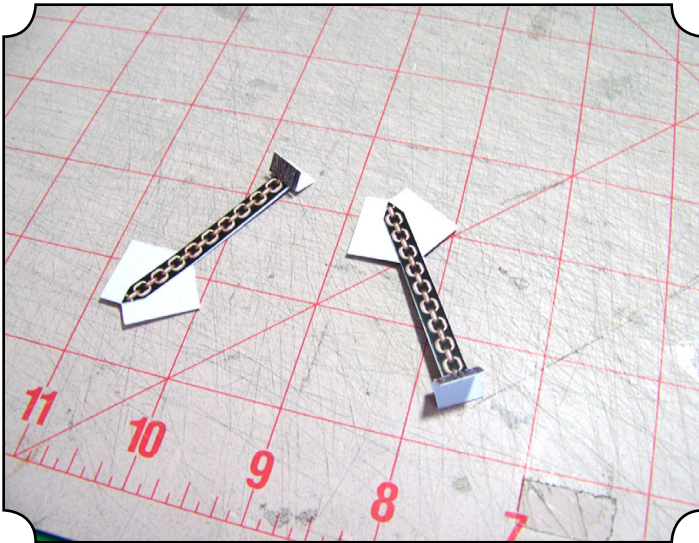


15: Once dry you can use sandpaper to smooth out any rough points on the edges. Finish off by coloring with a marker or acrylic paint.

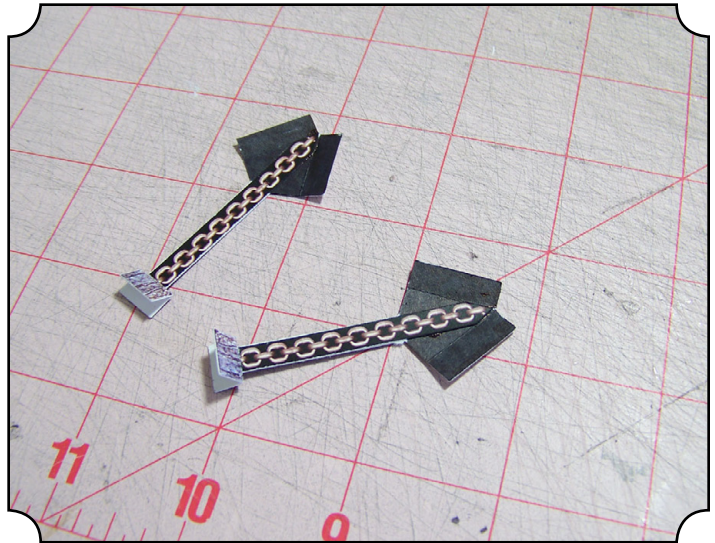


16: Cut and score the four chain pieces as shown above.

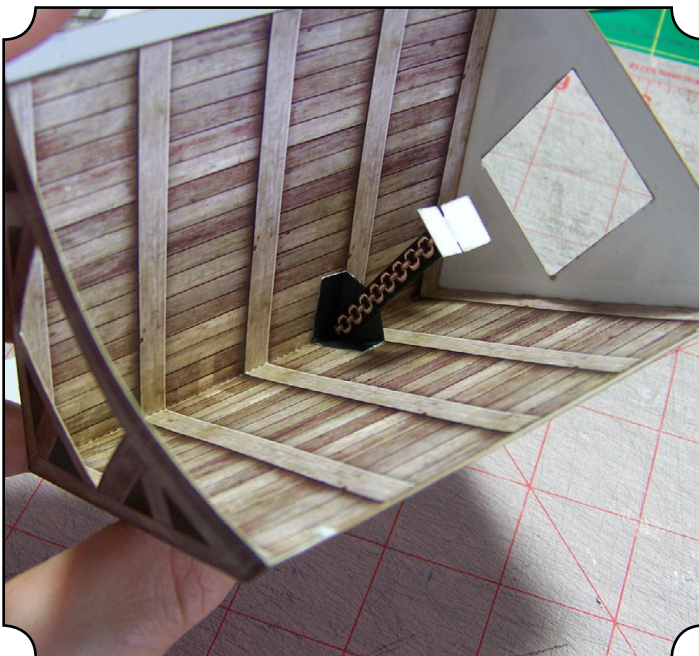




17: Glue each front to each rear chain piece.



18: Color the white areas with a black marker as shown.

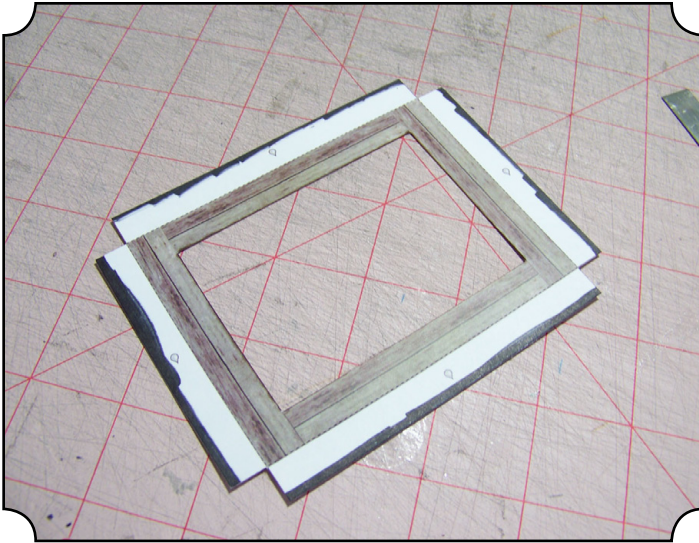


19: Glue them to the interior of the shed as shown.

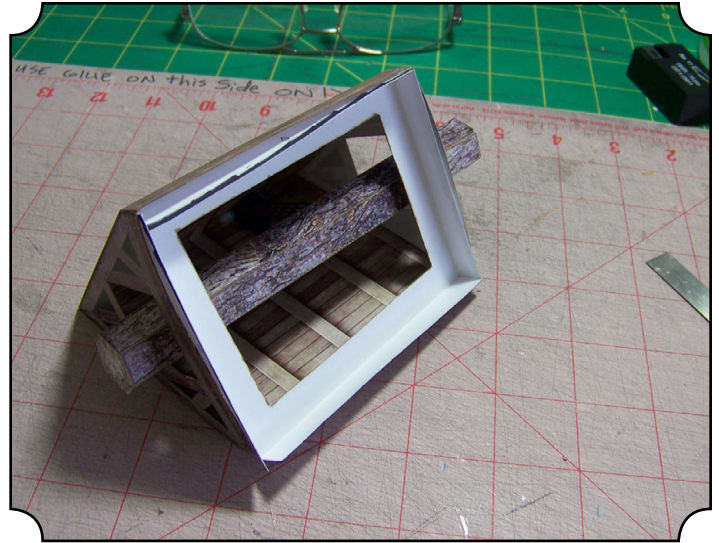


20: Insert the trunk and glue to the chains bottom tabs and allow to fully dry.

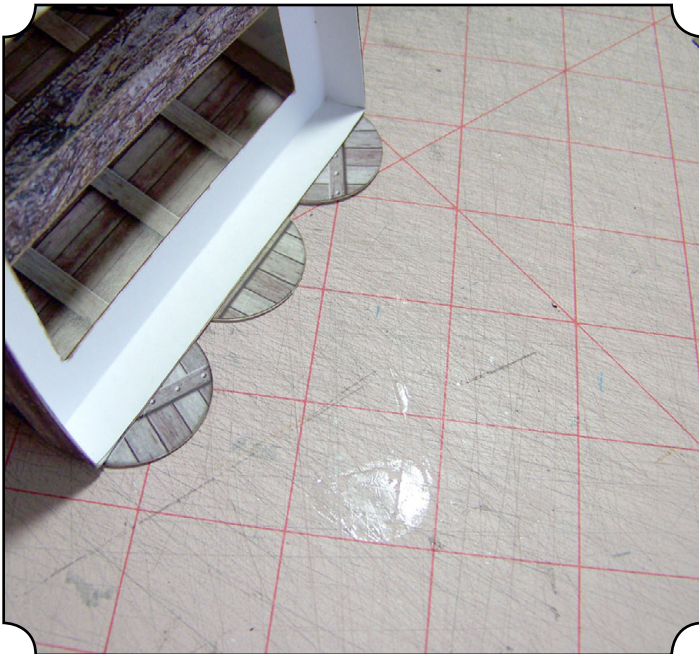




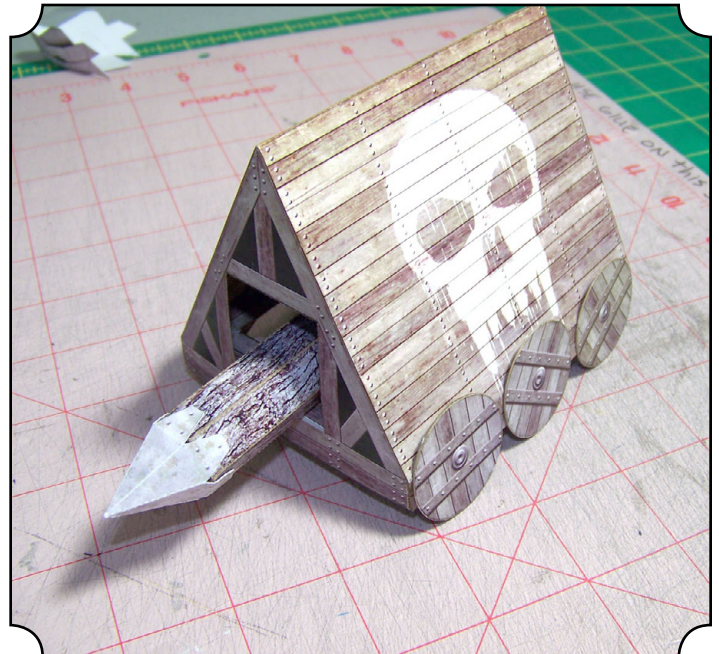
21: Cut and score the bottom frame as shown. Edge the ends of the tabs with a black marker as shown.



22: Insert into the shed model from the bottom as shown and glue into place.



23: Glue the wheels into place on each side and allow to dry.



24: Glue the endcap of your choice to the end of the trunk.

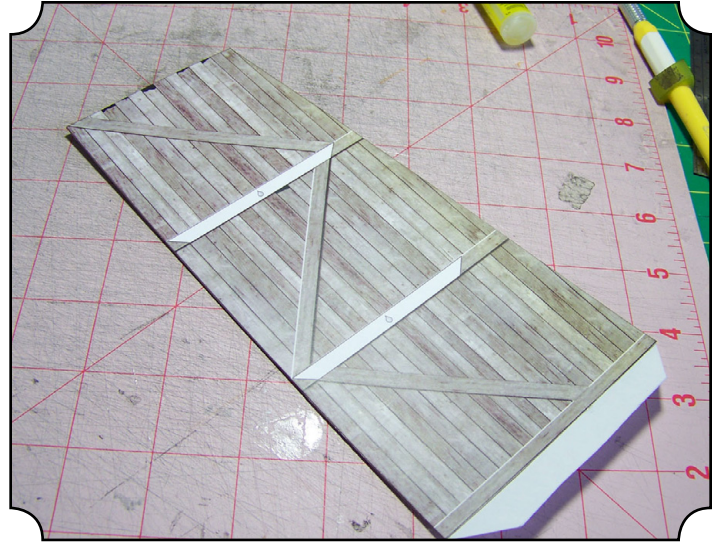




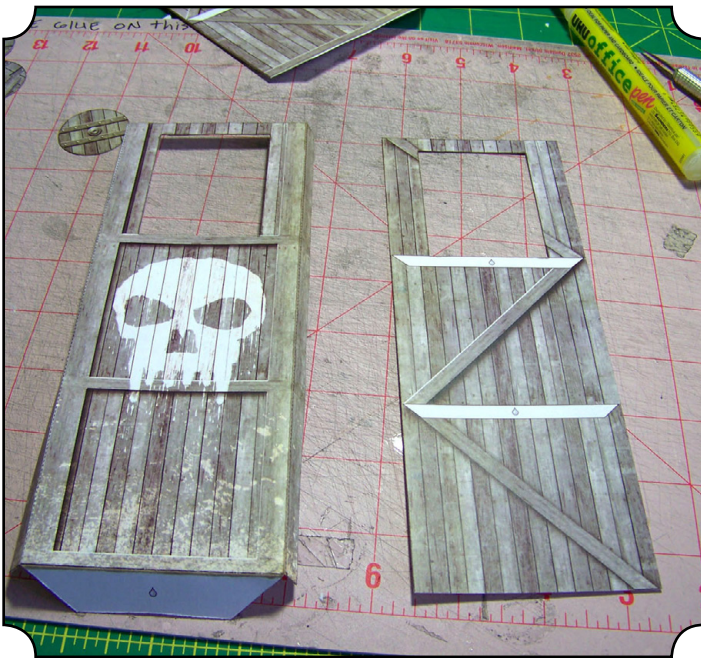
# TOWER



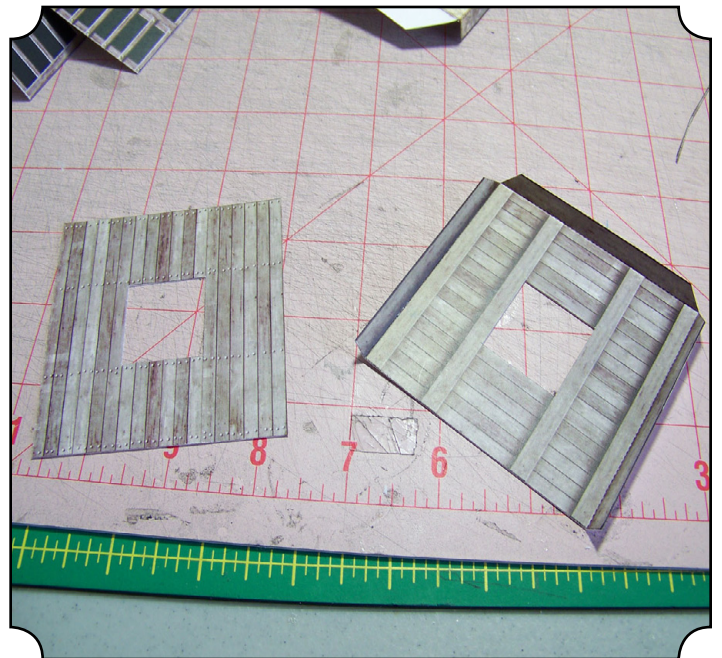
1: Cut and score the side sections as shown.



2: Glue each interior piece to its corresponding exterior piece and allow to fully dry.

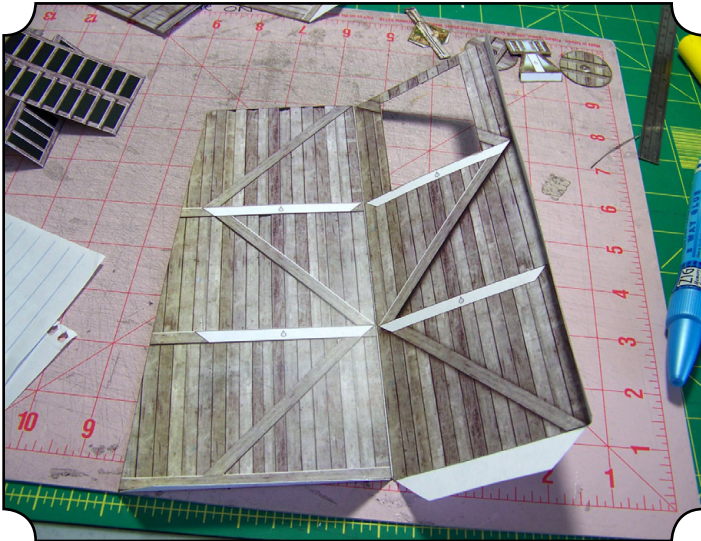


3: Repeat for the front face, cut out and glue the two sections together.

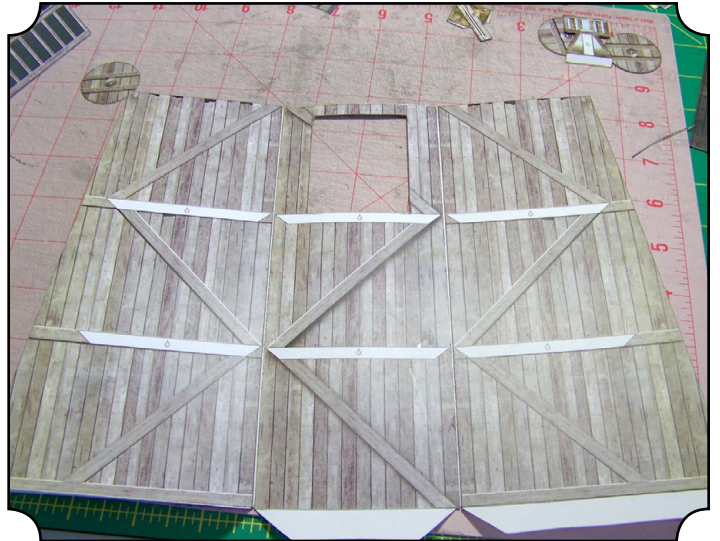


4: Cut and score the interior floors pieces as shown.

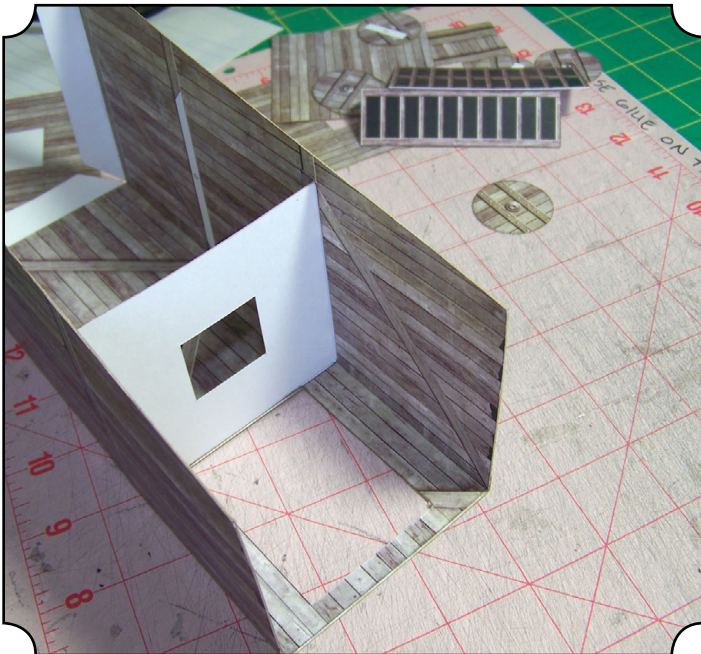




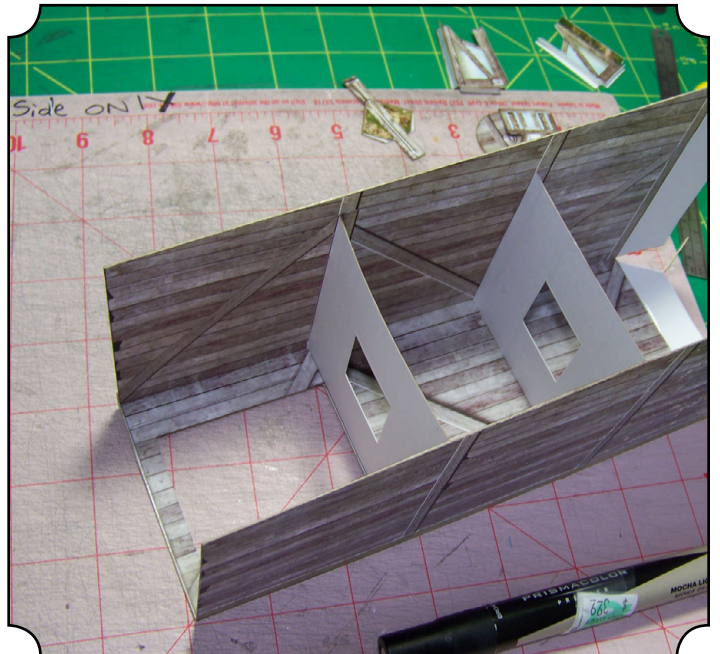
5: Glue a side section to the front piece as shown and allow to fully dry.



6: Repeat with the opposite side.

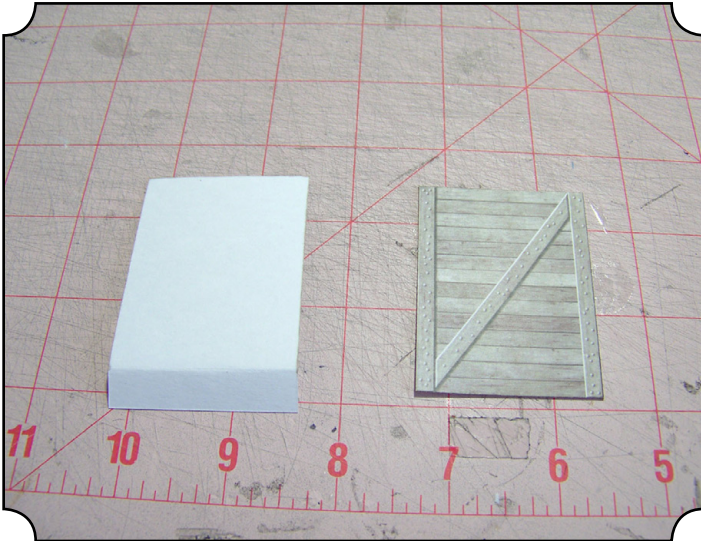


7: Glue each floor bottom face piece (the ones with the three glue tabs) in place as shown.

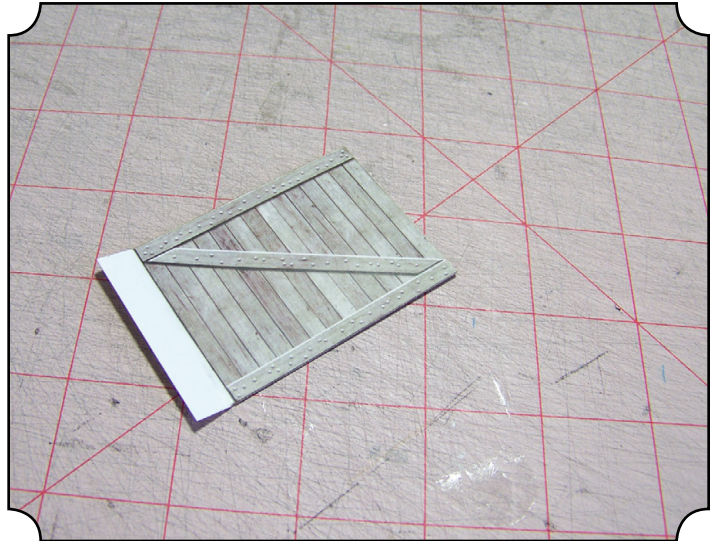


8: Continue with the remaining floor pieces.

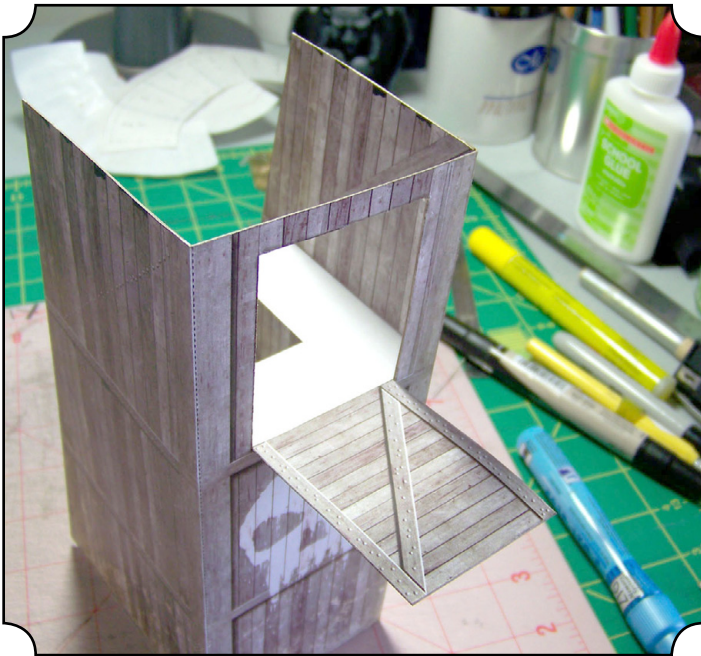




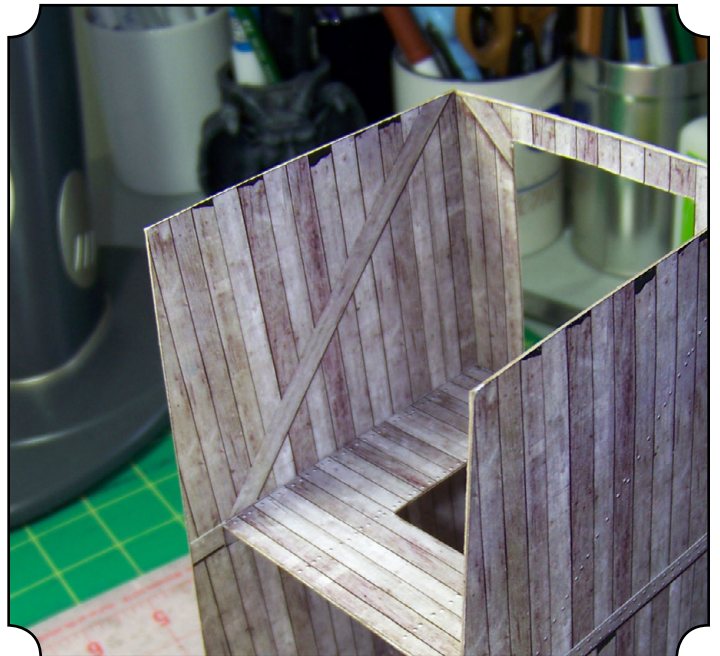
9: Cut and score the ramp pieces as shown above.



10: Glue the two halves together and allow to fully dry.

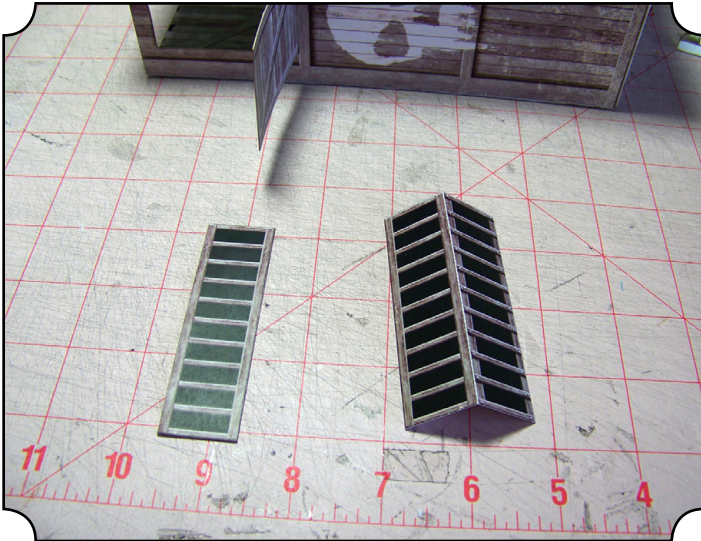


11: Glue the tab on the ramp to the top floor piece as shown.

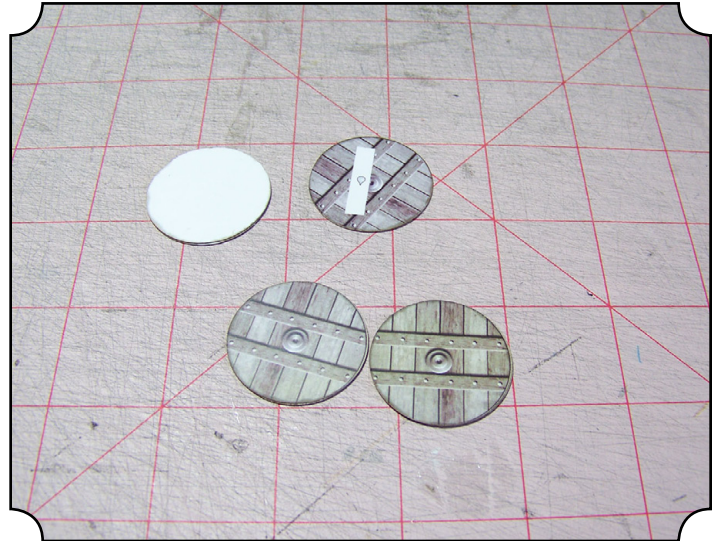


12: Glue the floor top face pieces into place. For the topmost section it will 'sandwich' the tab holding the ramp into place.

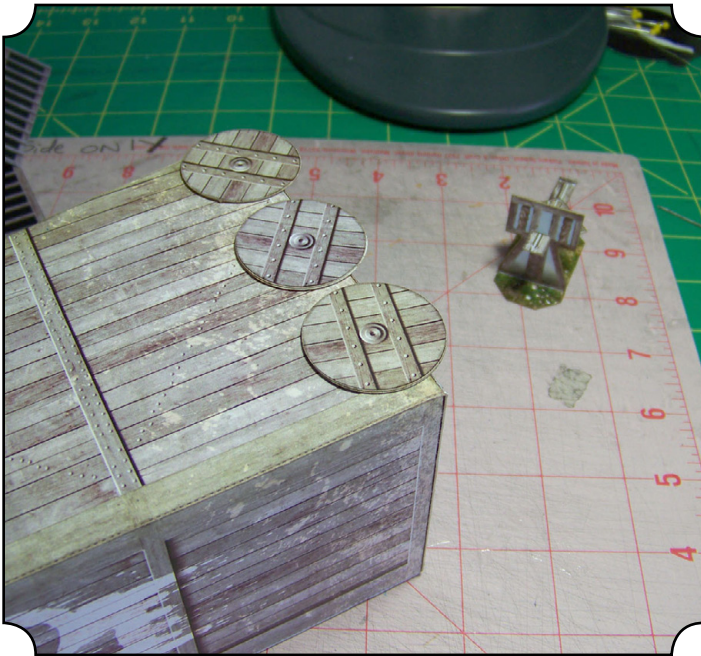




13: Cut, score and glue the ladder pieces as shown.

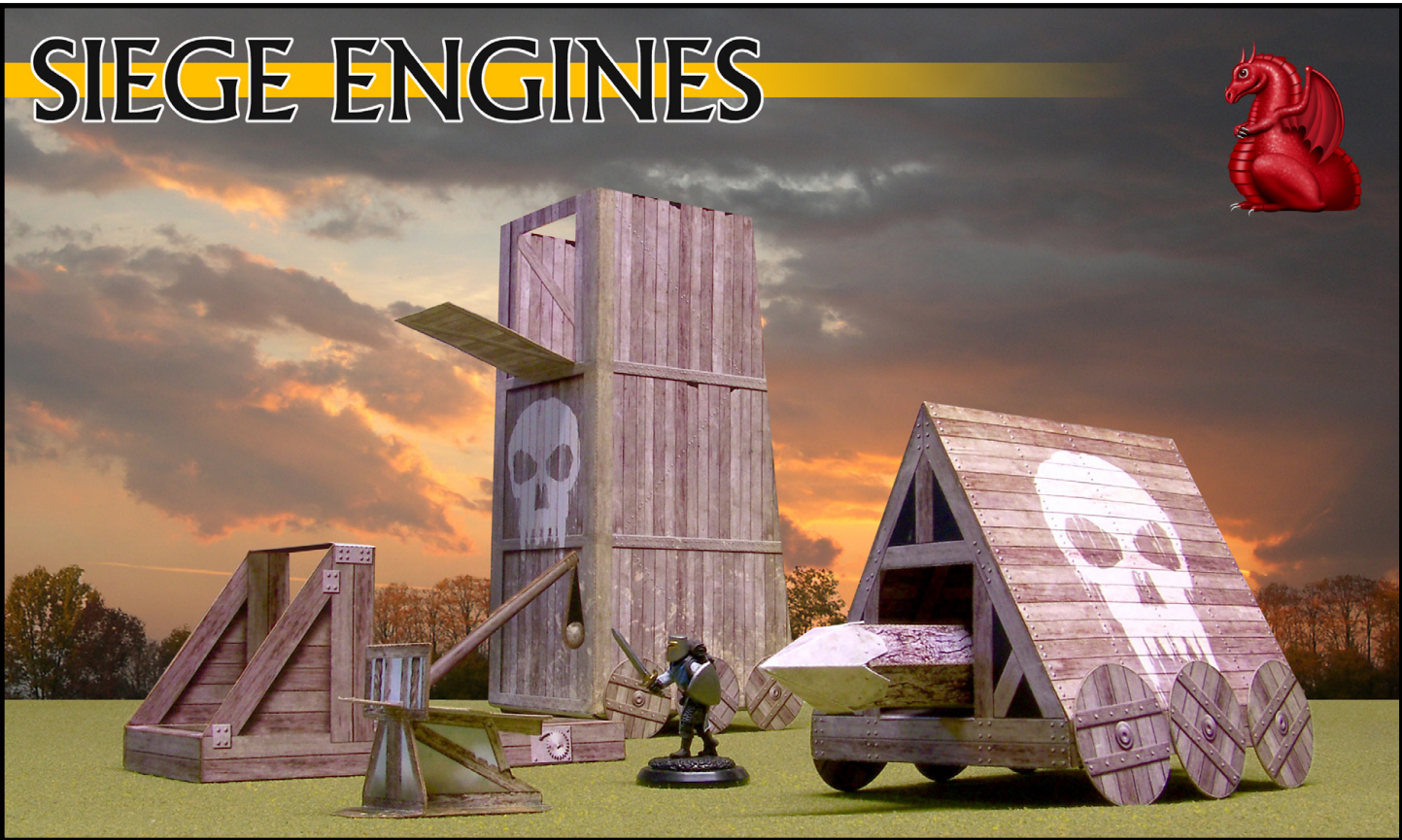


14: Assemble the wheels in the same manor covered for the ram model.



15: Glue the six wheels into place as shown.





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