

# BUILD GREAT DOLLS HOUSE SHELVES

SMILES AND MEMORIES WITH PORTA



## Tools you'll need:

- Hammer
- Circular saw
- Electric brad gun (optional)
- Jig saw
- Sander
- Clamps
- Measure
- Straight edge
- Paint brush
- Safety gear

## Timber you'll need:

Profile	Length	Qty
DAR 300x19mm (Clear Pine or FJ Pine Panels)	0.9m	8
DAR 300x19mm (Clear Pine or FJ Pine Panels)	1.2m	1
DAR 67x18mm FJ Pine	1.8m	1
DAR 67x18mm FJ Pine	2.4m	1
SQE 35x08mm FJ Pine	1.8m	1

With Porta Mouldings' timber products, our new range of children's Porta Projects and a spare afternoon you can build fun, long-lasting toys like this dolls house bookshelf.

Made from DAR radiata pine panels and pine mouldings these shelves provide storage, display units or can be used for play.

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# TIMBER CUTTING LIST

PART	MATERIAL	Cut Size (mm)	QTY to be cut
Tower sides	DAR 300 x 19 Pine Panel (900mm)	750mm	4
Tower horizontals	DAR 300 x 19 Pine Panel (900mm)	280mm	6
Fixed shelf	DAR 300 x 19 Pine Panel (900mm)	196mm	1
Adjustable shelf	Use remains of panel piece above	192mm	1
Base top	DAR 300 x 19 Pine Panel (900mm)	840mm	1
House Top side1	DAR 300 x 19 Pine Panel (1200mm)	300mm	2
House Top side 2	Use remains of panel piece above	280mm	2
Base front and rear	DAR 67x18 FJ Pine Moulding (2.4m)	840mm	2
Base side	Use remains of moulding above	262mm	2
Roof top gables	DAR 67x18 Pine Moulding (1.8m)	300mm	4
Window sills	SQE 35 x 08 Pine Moulding (1.8m)	110mm	4



**1** Measure, mark and cut each length of panel to size using a circular saw guided with a straight edge or a sliding compound mitre saw.



**2** Lay two upright tower sides out and mark a line vertically up through the centre. Then on one mark the arched window bases 70mm and 435mm up from the base. Mark the window heights 190mm up from these. On the inner side a taller arch of 230mm is started at 30mm from the base. Window widths are marked at 55mm either side of the centre line and the arch top drawn by tracing around the base of a 1lt paint can.



**3** A jigsaw is used to cut the window shapes. Place two side panels on top of one another to make to two outer sides at one and then repeat for the inner sides. Fit a clean-cut wood cutting blade into the jigsaw and drill a 10mm starter hole within the waste area of each cutout, before proceeding carefully with the cut outs.



**4** Assemble each tower with pva and brad nails. Mark the centre shelf position inside and out before proceeding with assembly. Position the top and base pieces flush with the top and base edges of each side. Then position centre shelf and use outside centre mark to guide your nailing positions.



**5** Assemble the base by first butt joining the base frame pieces and then adding the top panel. Along the front and back measure 100mm from each end and 40mm up from the bottom edge to layout the base cut-out. Once again use a 1lt paint can to mark curves and cut these shapes away with a jigsaw.





**6** Assemble the house roofs before the decorative barges are marked and shaped. Mark a line 25mm up from the bottom edge of the barge pieces and make a series of lines down each 25mm apart. Using the base of the paint can again makes the curve from every second cross the line. Cut these shapes with the jigsaw as well.



**7** After filling all nails holes with pine timber putty and sanding away all pencils lines and sharp edges paint each section. The tops and base are coated with primer and then two coats of a solid colour. The tower and cross shelves however are painted with a white primer diluted 1 to 4 with water. The watery wash is applied liberally to each surface and then wiped with a rag.



**8** Before bring the final assembly together position and drill some 5mm holes for shelf support pin on the inner faces of towers, 50mm in from each edge and 315, 365 and 415mm from the base. Place towers on base with pva and position fixed cross shelf 180mm from tower tops. Glue clamp and nail all these into position. Top decorative top can then be glued into position.



#### FINISHING DETAILS

Small finishing details add some charm to the project. We completed the shelves by painting the inner edges of each window cut out with solid paint and gluing in some small window sills cut from Porta 35 x 08mm pine cover strips. The protective wax coating is applied with superfine "0000" grade steel wool and then buffed back with a rag.