



**MOBILE DIVIDER** Leave off the backing for display from both sides and add castors for a moveable room divider.

**VERSATILE  
FURNITURE**

# One shelf three ways

**Modify one basic plan to build a room divider, display unit or storage shelving**

**DIY > \$165**

HAVE IT DONE > \$565

**SKILL > 1 2 3 4 5**

**TIME > 1 DAY**

**V**ersatile and movable this basic pine frame costs about \$50 and takes less than a day to make. The 1200 x 1200mm cubed shelving unit is built from standard 190 x 19mm pine or 290 x 19mm pine for wider shelves.

Cut the timber using a circular saw or have it cut by the supplier for accuracy and quick, easy assembly.



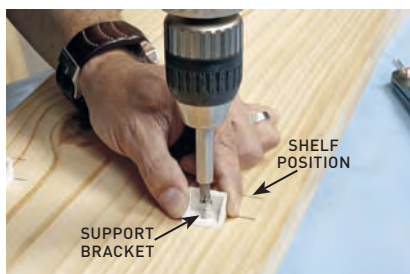
**STORAGE UNIT** Cover the back with fabric or paper before securing it to the frame then add aluminium legs.



**DISPLAY SHELVING** Add plywood backing board and 50mm lockable castors for a mobile display unit.



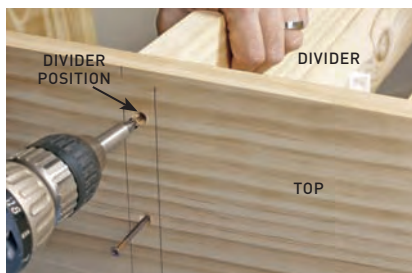
**1 Mark the shelf supports**  
On the sides and dividers mark 40mm from the edges, 385mm and 780mm from the top, then 10mm either side of these marks as a guide for the 19mm-thick shelves. Repeat on the reverse side of the dividers.



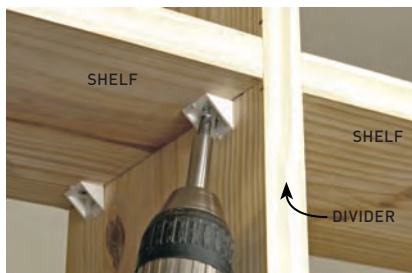
**2 Add the shelf supports**  
Position corner brackets below the marks, securing with 16mm x 8g timber screws using a cordless drill and Phillips head drive bit.  
**TIP** Use metal angle brackets as an alternative to corner brackets.



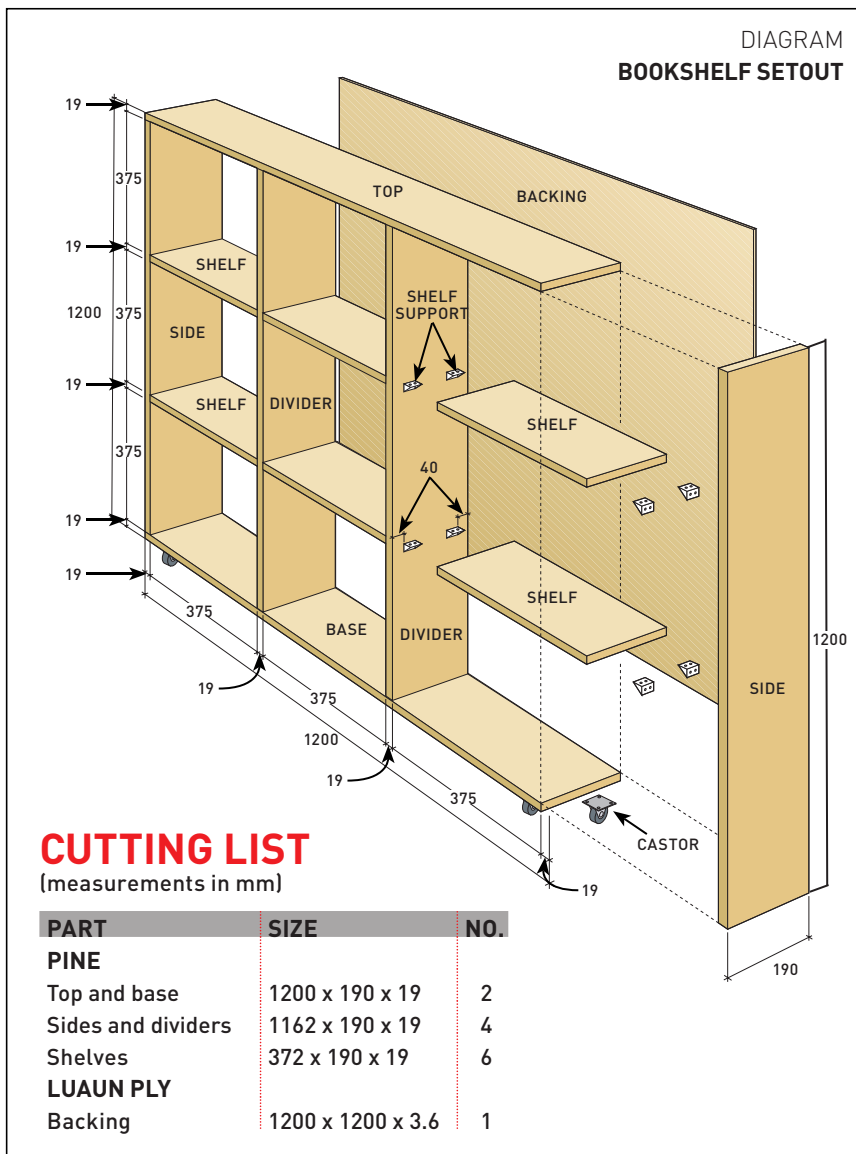
**3 Drill the holes**  
On the top and base boards mark the sides and dividers 19mm, 394mm and 413mm from the ends (see Diagram), mark across to guide a 3mm drill bit to make three holes between the lines and countersink.



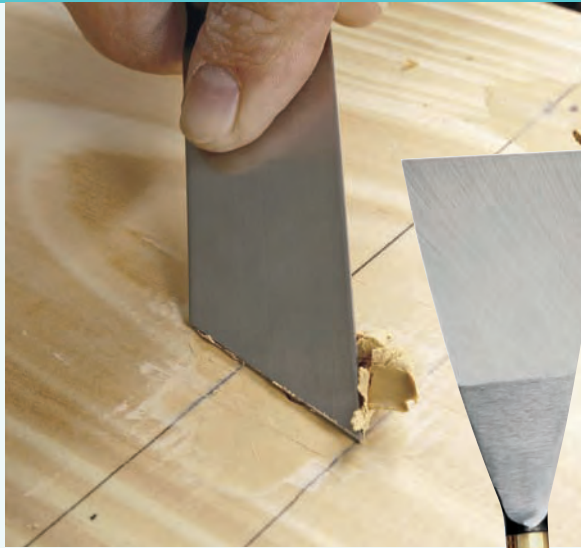
**4 Assemble the frame**  
Lay out pieces to butt-join the dividers and sides against the top and base, securing with 50mm x 8g timber screws, using a square and measuring diagonals to check the frame.  
**TIP** Don't tighten the outside screws until the frame is checked for square.



**5 Attach shelves, backing**  
Position the shelves and trim the ends of the centre shelves slightly if they are a tight fit then secure to the corner brackets from underneath using 16mm x 8g timber screws.  
**TIP** If attaching a backing secure it to the frame with 16mm x 8g screws.



## Finishing the unit



- 1 Apply timber filler to any dents or blemishes and sand all over with 180-grit abrasive paper.

Apply Timbermate Woodfiller, \$14 for 500g, from Bunnings Warehouse, with a flexible putty knife.



- 2 For a natural finish, sand the completed unit and apply two coats of stain, sanding lightly between coats with 280-grit abrasive paper. Finish with a coat of clear polyurethane to protect the pine. To paint, sand the completed unit, apply a sealer undercoat to prime, then two coats of gloss acrylic. **TIP** Gloss acrylic is better than matt for furniture because it tends to chip less.

**Handyman**

[handyman.net.au](http://handyman.net.au) 

Download the tools, materials and costs to make this shelving unit plus other step-by-step storage projects.



## Enhance with Porta Wall Trim

### Panel Moulds



PM-3012



PM-3115



PM-4018

### Insert Moulds



INS-2318



INS-2368



INS-3111

Available from Bunnings and other major hardware stores. For further information visit [www.porta.com.au](http://www.porta.com.au) or contact the national sales office on 1300 650 787.



**porta**mouldings