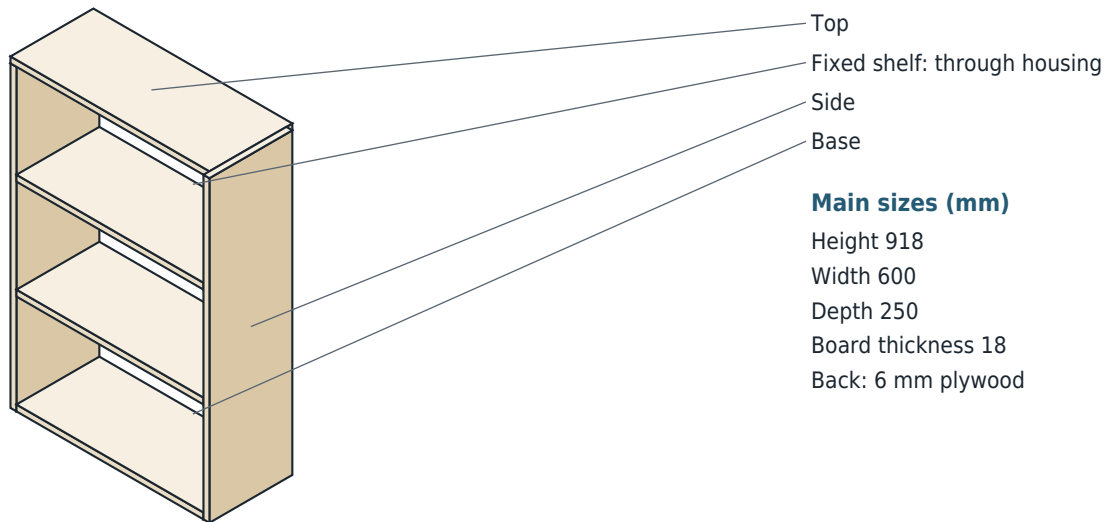


Case study 4: Bookcase

WOODWORK WITH MR KELLY

National 5 · Practical Woodworking · 10 marks · open book

The product. A bookcase for a school library has two fixed shelves and a plywood back fitted into a rebate. Use the drawing to answer the questions. Answer in sentences for describe and explain questions; you can add labelled sketches.



Main sizes (mm)

Height 918

Width 600

Depth 250

Board thickness 18

Back: 6 mm plywood

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1 *The shelves are fitted into the sides with through housing joints.*

(a) Name the hand tool used to level the bottom of a housing. (1 mark)

(b) Describe the stages in cutting a through housing. Your answer can include sketches. (3 marks)

Space for sketches

2 *The back of the bookcase fits into a rebate cut along the back edge of each side.*

Name the plane used to cut the rebate. (1 mark)

3 *The bookcase could be made from pine or from chipboard covered in veneer.*

Describe one advantage and one disadvantage of chipboard compared with pine. (2 marks)

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4 *The bookcase is glued up using sash cramps.*

Describe how to check the bookcase is square after it has been cramped. (1 mark)

State how to stop the sash cramps marking the bookcase. (1 mark)

Explain why excess glue should be wiped off. (1 mark)

Total: ____ / 10