Knock-down table plans

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Table parts

Holes for marbles 5 and 105 cm from center, 5/8" (16mm) diameter, 8 mm deep

All parts except plywood parts can be cut from 2x4 (1.5"x3.5") construction lumber.

Mortise and tenon joint, 4 cm deep, 1/2" (12 mm) thick, 7.5 cm long.

Four 1/2" (12 mm) dowels, 3" (75 mm) long can be used instead of a mortise and tenon joint. If you want to use pocket hole screws, make the stretcher 14 cm wide instead of 8.5 cm.

Make from 18 mm or 3/4" plywood.

All parts shown can be cut from 2x4 construction lumber (1.5"x3.5")
Leg dimensions slightly less to allow for planing 1 mm off each side.
Table top

Table top is two halves to make the 2.4 m long top easier to move. If your make your table shorter, make the top from one piece.

Table top is 18 mm (3/4") thick plywood.

3/4" (19 mm) holes, 9 mm deep. These holes are slightly larger than the marbles.

Measure this dimension from your base to make sure it matches.
standard 5/8" (16 mm) marbles for alignment

Hole 8 mm deep so marble sits half way in.

Wedge is inserted last to lock brackets to leg assemblies

Middle screws 2.5" (60 mm) long

Screws on edges 2" (50 mm) long.

This part slightly longer to help align and get more bearing surface for the bracket

Horizontal rail rests on this part

This joint is a mortise and tenon, but four dowels, 3" long each will also work.
Leg bracket partial layer and wedge, 1:1

Disable "fit to page" and scaling before printing this PDF. Check measurements to make sure it is printed 1:1.

Best to cut these parts slightly larger and trim to final size after glue-up.

This hole gets drilled when you drill through the glued-together bracket.

Make from 18 mm or 3/4" plywood. Make four parts each.

Make wedge from solid wood, 18 mm thick.
Drill these holes after gluing the two layers together.

Make four of these. It's a good idea to cut these parts slightly oversized.