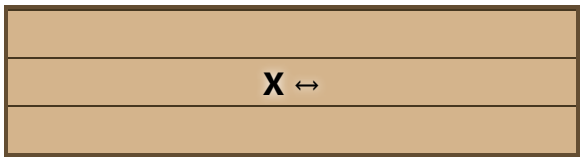
RoomMath

Deck board calculator

Rectangular surface boards only. This worksheet does not design framing, check loads or approve joint locations.

Verified cut sheet

Results ready

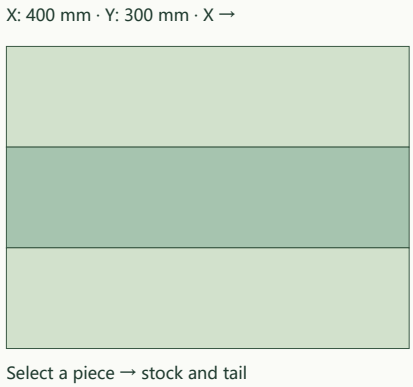


Row direction · schematic, not to scale · X: 400 mm · Y: 300 mm · Rows: 3

X × Y: 400 × 300 mm · Board face width: 100 mm · Reserve (%): 10

Compare offers	A	B
Stock length (mm)	650	810
Boards per pack	2	1
Price per pack (USD, optional)	9.25	7.25
Boards opened	3	2
With reserve	4	3
Rounded packs	2	3
Boards bought	4	3
Extra from pack rounding	0	0
Total cost (USD)	18.50	21.75

Verified placements and stock · A · Print is not 1:1



Select a piece → stock and tail

#1 · 650 mm



R1.1 ← #1 · length 400 mm · Saw kerf 10 mm · tail after this cut 240 mm · final tail 240 mm

Offer A · 650 mm

Installed: 1200 mm · Kerf loss: 30 mm

Rows X (Width, mm)



Cut ledger (mm)

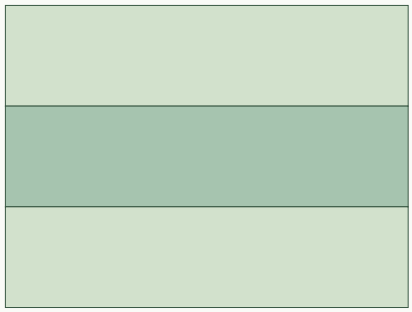
Row	Piece	Board	Source	Before	Length	Saw kerf	After
1	1	#1	Fresh board	650	400	10	240
2	1	#2	Fresh board	650	400	10	240
3	1	#3	Fresh board	650	400	10	240

Remainders (mm)

#1: 240 · #2: 240 · #3: 240

Verified placements and stock · B · Print is not 1:1

X: 400 mm · Y: 300 mm · X →



Select a piece → stock and tail

#1 · 810 mm



R1.1 ← #1 · length 400 mm · Saw kerf 10 mm · tail after this cut 400 mm · final tail 0 mm

Offer B · 810 mm

Installed: 1200 mm · Kerf loss: 20 mm

Rows X (Width, mm)

1	#1	100
2	#1	100
3	#2	100

Cut ledger (mm)

Row	Piece	Board	Source	Before	Length	Saw kerf	After
1	1	#1	Fresh board	810	400	10	400
2	1	#1	Remainder	400	400	0	0
3	1	#2	Fresh board	810	400	10	400

Remainders (mm)

#1: 0 · #2: 400