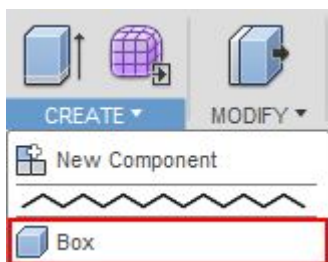


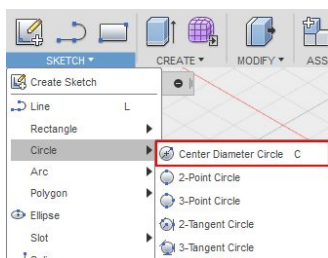
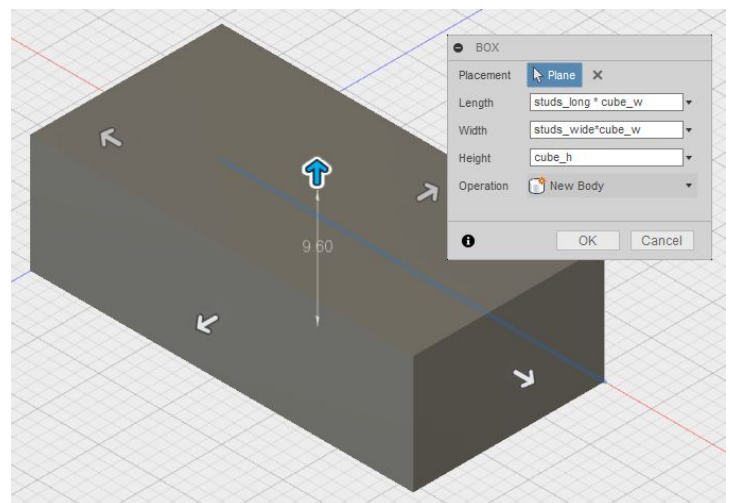
1) Definer parameters

Parameter	Name	Unit	Expressio	Value	Comments
Favorites					
User Parameters +					
☆ User Parameter	studs_wide		2	2	Number of studs in the z-direction
☆ User Parameter	studs_long		4	4	Number of studs in the x-direction
☆ User Parameter	cube_w	mm	7.8 mm	7.80	Width of a 1x1 lego brick
☆ User Parameter	cube_h	mm	9.6 mm	9.60	Height of a lego brick
☆ User Parameter	stud_d	mm	4.8 mm	4.80	The diameter of a stud
☆ User Parameter	stud_h	mm	1.7 mm	1.70	The height of a stud measured form the top of the cube
Model Parameters					



2) Lag en box

- Lengde: $\text{studs_long} * \text{cube_w}$
- Bredde: $\text{studs_wide} * \text{cube_w}$
- Høyde: cube_h

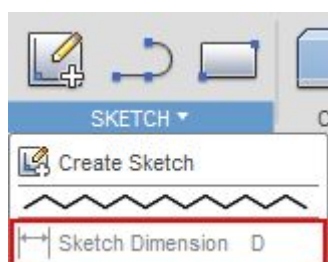
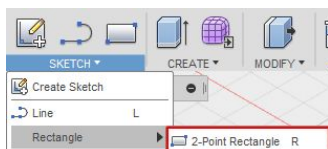
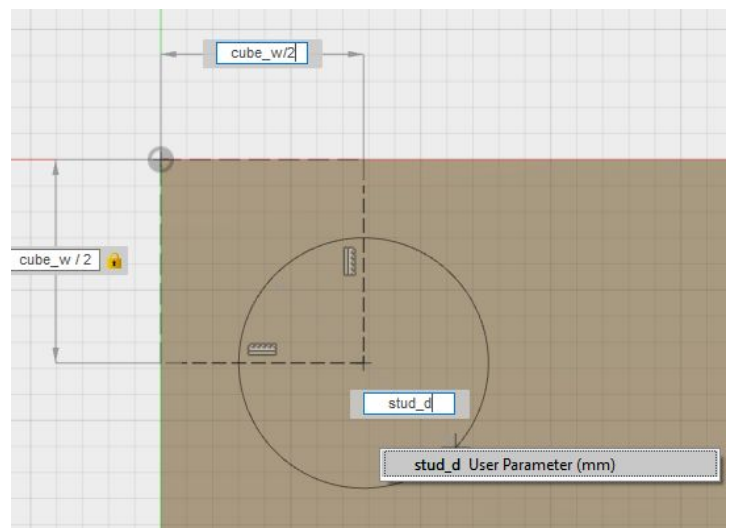


3) Create sketch på toppen av boksen

4) Lag en center diameter circle med diameter stud_d

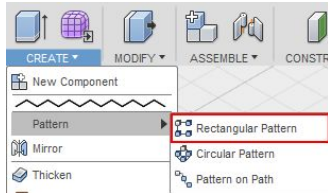
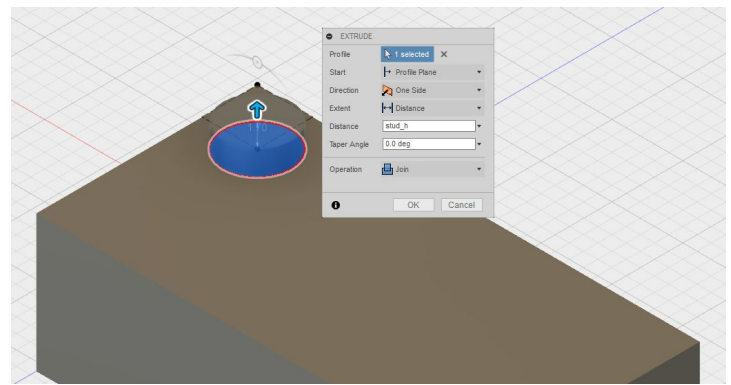
5) Lag et 2-point-rectangle med hjørner i hjørnet av boksen og i sentrum av sirkelen

6) Dimension (D) sidene av rektangelet til cube_w/2





- 7) **Extrude (E)** den nylig konstruerte sirkelen stud_h oppover



- 8) **Pattern:**

- Pattern type: Features
- Objects: Extrusion i tidslinja
- Directions: Sidene på boksen
- Distance type: Spacing
- Quantity: studs_long/studs_wide

