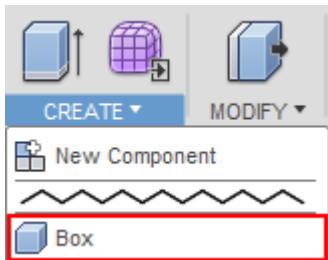
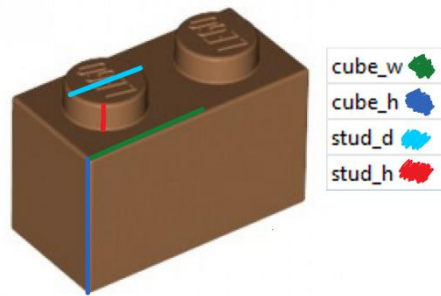


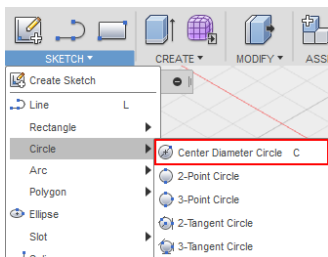
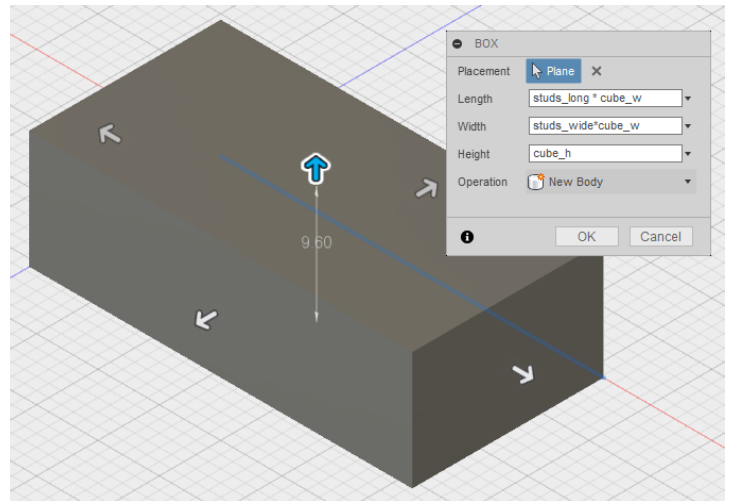
Parameter	Name	Unit	Expressio	Value	Comments
<b>Favorites</b>					
<div> <div> <div></div> <div> <div>User Parameters</div> <div>+</div> </div> </div> </div>					
☆ User Parameter	studs_wide		2	2	Number of studs in the z-direction
☆ User Parameter	studs_long		4	4	Number of studs in the x-direction
☆ 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
<b>Model Parameters</b>					

## 1) Definer parameters



## 2) Lag en box

- Lengde:  $\text{studs\_long} \times \text{cube\_w}$
- Bredde:  $\text{studs\_wide} \times \text{cube\_w}$
- Høyde:  $\text{cube\_h}$

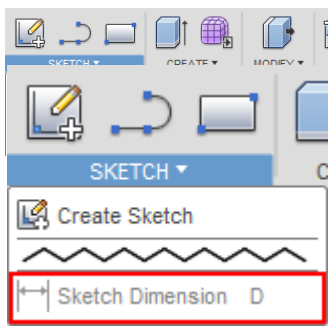
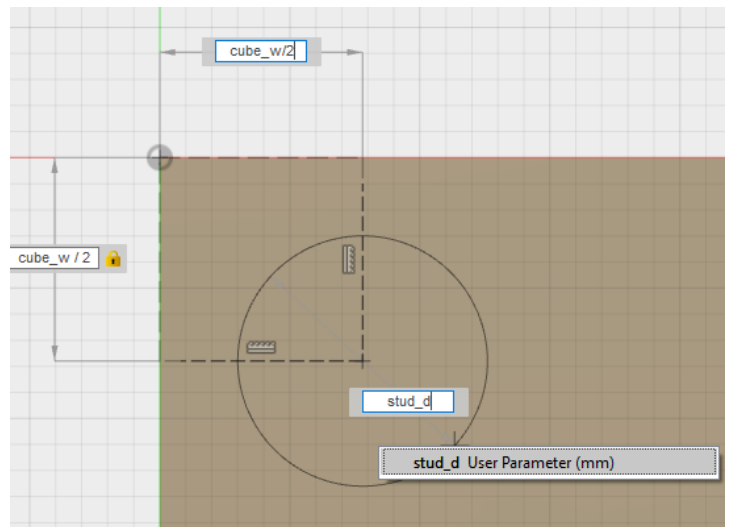


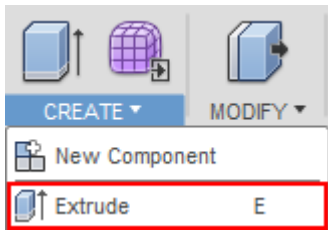
## 3) Create sketch på toppen av boksen

## 4) Lag en center diameter circle med diameter stud\_d

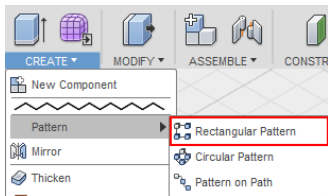
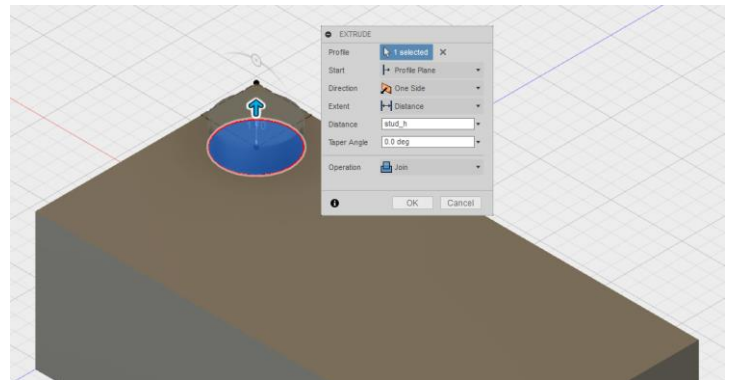
## 5) Lag et 2-point-rectangle med hjørner i hjørnet av boksen og i sentrum av sirkelen

## 6) Dimension (D) sidene av rektangelet til cube\_w/2



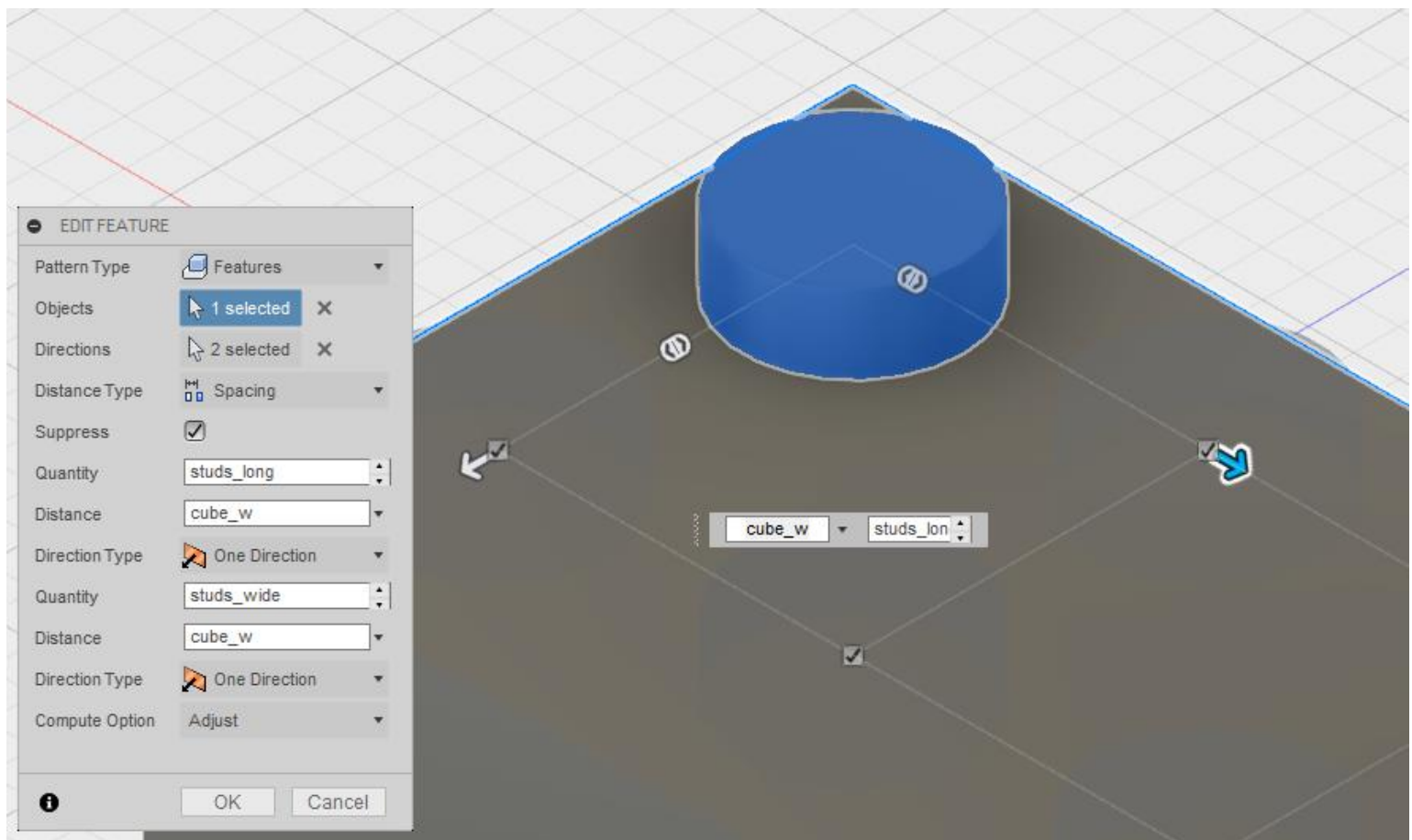


7) **Extrude (E)** den nylig konstruerte sirkelen stud\_h oppover



8) **Pattern:**

- a) Pattern type: Features
- b) Objects: Extrusion i tidslinja
- c) Directions: Sidene på boksen
- d) Distance type: Spacing



e) Quantity: studs\_long/studs\_wide