

Command	Argument
Forward	Number of steps

Number	Commands
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

## 1. How heavy is our payload?

Fill in the gaps on the right, then use a calculator to work out the total weight in the blue box.

<i><b>Payload part</b></i>	<i><b>Weight</b></i>
Raspberry Pi	31g
Battery	
Mounting plate	60g
3 balloons	
Extra lift	100g
<i><b>Total weight</b></i>	

## 2. How much Helium do we need?

$$\text{Volume} = \frac{\text{Total Weight}}{\text{Lift of Helium}}$$

$$\text{Volume} = \frac{\text{[ ]}}{1100}$$

$$\text{Volume} = \text{[ ] m}^3$$

If we have 3 balloons, then each balloon will be a third of this amount:

$$\text{Volume} / 3 = \text{[ ] m}^3$$