

NAME:

GRADE & SECTION:

Calculate the D6 of the height of 40 junior high school students.

Complete the table with Lower Boundaries (LB) and Cumulative Frequency (cf)			
Height in cm	Frequency f	Lower Boundaries (LB)	Cumulative Frequency (cf)
166 – 170	3		
161 – 165	8		
156 – 160	9		
151 – 155	11		
146 – 150	3		
141 – 145	6		
N			

$$i = \square$$

Compute the D_{kth} class

$$\frac{kN}{10} = \frac{\square}{\square} = \square$$

Find the class interval of D_k

The D_6 class is class interval $\square - \square$

Lower Boundary of the D_k class

$$LB = \square$$

frequency of the D_k class

$$f_{Dk} = \square$$

cumulative frequency of the class before the D_k class

$$cf_b = \square$$

Find the value of D_k

$$D_k = LB + \left(\frac{\frac{kN}{10} - cf_b}{f_{Dk}} \right) i$$

$$D_6 = \square + \left(\frac{\square - \square}{\square} \right) \square$$

$$D_6 = \square + \left(\frac{\square}{\square} \right) \square$$

$$D_k = \square + \square$$

$$D_k = \square$$

Interpretation

Therefore, $\square$ % of the students has a height of $\square$ cm.