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			

$i =$

Compute the D_{kth} class

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

$= \square$

Find the class interval of D_k

The D6 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

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

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

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

$$D_k = \square + \square$$

$$D_k = \square$$

Interpretation

Therefore, ☐ % of the students has a height of ☐ ☐ cm.

LIVEWORKSHEETS