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			

$i = \boxed{}$

Compute the D_{kth} class

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

$$= \boxed{}$$

Find the class interval of D_k

The D6 class is class interval

$\boxed{}$ - $\boxed{}$

Lower Boundary of the D_k class	frequency of the D_k class	cumulative frequency of the class before the D_k class
$LB = \boxed{}$	$f_{Dk} = \boxed{}$	$cf_b = \boxed{}$

Find the value of D_k

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

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

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

$$D_k = \boxed{} + \boxed{}$$

$$D_k = \boxed{}$$

Interpretation

Therefore, $\boxed{}$ % of the students has a height of $\boxed{\vee}$ $\boxed{}$ cm.

LIVEWORKSHEETS