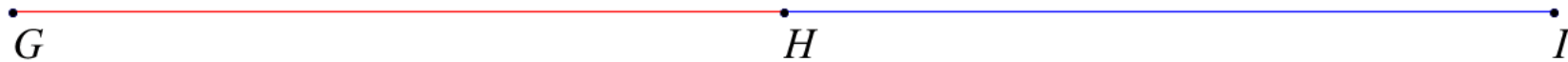
**Question**

Given: H is Midpoint of GI,  $\text{GH} = 3 \cdot x + 24$ ,  $\text{HI} = 8 \cdot x - 30$

What is the value of  $x$ ?

**Answer**

$$x = \frac{54}{5} \approx 10.8$$



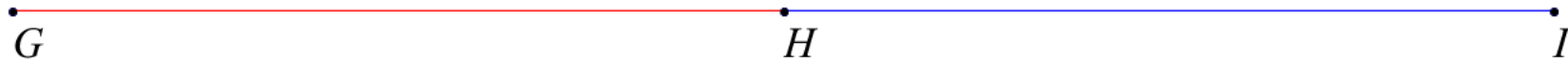
### Question

Given: H is Midpoint of GI ,  $\text{GH} = 3 \cdot x + 24$  ,  $\text{HI} = 8 \cdot x - 30$

What is the length of GH?

### Answer

$$\text{GH} = \frac{282}{5} \approx 56.4$$



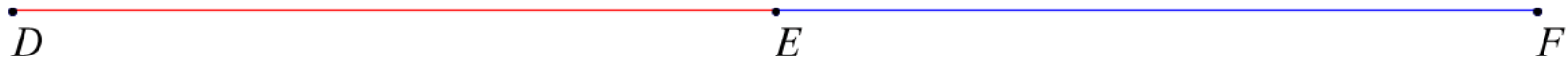
### Question

Given: H is Midpoint of GI ,  $\text{GH} = 3 \cdot x + 24$  ,  $\text{HI} = 8 \cdot x - 30$

What is the length of HI?

### Answer

$$\text{HI} = \frac{282}{5} \approx 56.4$$



### Question

Given: H is Midpoint of GI ,  $\text{GH} = 3 \cdot x + 24$  ,  $\text{HI} = 8 \cdot x - 30$

What is the length of GI?

### Answer

$$\text{GI} = \frac{564}{5} \approx 112.8$$