

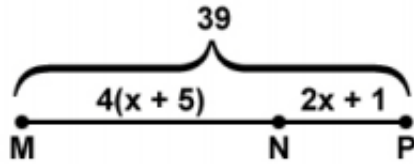
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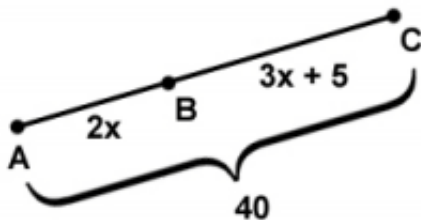
Hour:

Advanced Geometry
WS 1.3A Midpoint of Segments

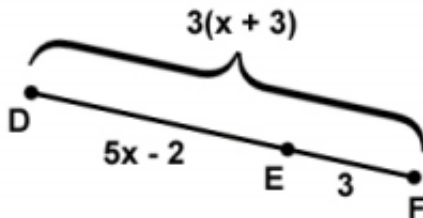
1. Using the diagram shown, find the value of x .



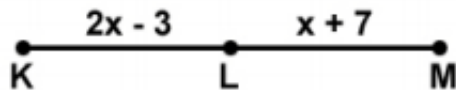
2. Using the diagram shown, find AB and BC .



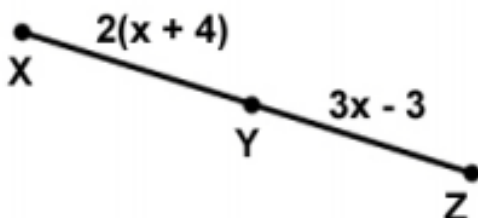
3. Using the diagram shown, find DE and DF .



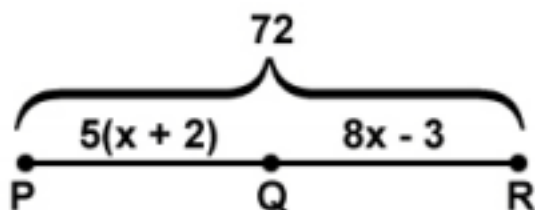
4. In the given diagram, L is the midpoint of \overline{KM} . Find the value of x .



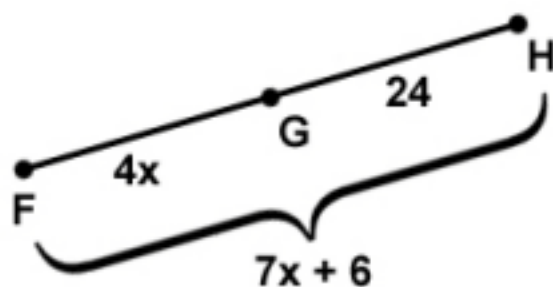
5. In the given diagram, Y is the midpoint of \overline{XZ} . Find XZ .



6. Is Q the midpoint of \overline{PR} ?



7. Is G the midpoint of \overline{FH} ?



8. What's wrong with each of the following statements? (Hint: Each statement has symbols that are either missing or incorrect.)

- a) If $XY \cong YZ$, then Y is the midpoint of XZ .
- b) If $XY = YZ$, then Y is the midpoint of \overline{XZ} .
- c) If Y is between X and Z , then $\overline{XY} + \overline{YZ} = \overline{XZ}$.

9. In the given diagram, S is the midpoint of \overline{RT} . Find RS .

