

NAME

QUARTER

GRADE & SECTION

DATE

Activity: **Proving Triangles are Congruent (SSS)**

Complete the two-column proof to prove that the triangles are congruent.

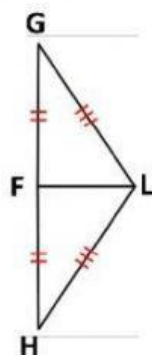
A) **GIVEN:**

$$\overline{GF} \cong \overline{HF}$$

$$\overline{GL} \cong \overline{HL}$$

Prove that

$$\triangle LFG \cong \triangle LFH$$



Statement	Reason
$\overline{GF} \cong \overline{HF}$	(1) <input type="text"/>
(2) <input type="text"/>	Given
(3) $\overline{FL} \cong \overline{\quad}$	(4) <input type="text"/>
$\triangle LFG \cong \triangle LFH$	(5) <input type="text"/>

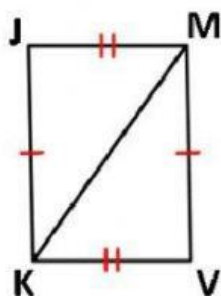
B) **GIVEN:**

$$\overline{JK} \cong \overline{VM}$$

$$\overline{JM} \cong \overline{VK}$$

Prove that

$$\triangle JMK \cong \triangle VKM.$$



Statement	Reason
(1) <input type="text"/>	Given
$\overline{JM} \cong \overline{VK}$	(2) <input type="text"/>
(3) $\overline{KM} \cong \overline{\quad}$	(4) <input type="text"/>
$\triangle JMK \cong \triangle VKM$	(5) <input type="text"/>

How well did you do?



Need help!



Just OK!



Splendid

I FEEL THAT:

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