

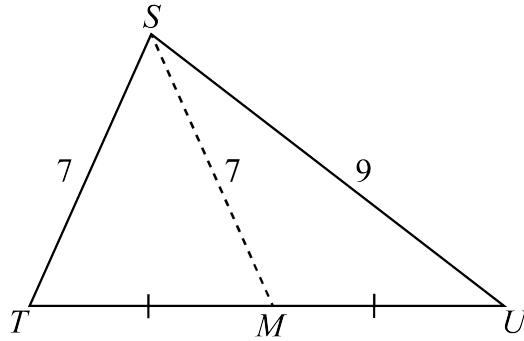


## Problem of the Week

### Problem E

#### The Other Side

In  $\triangle STU$ , a median is drawn from vertex  $S$ , meeting side  $TU$  at point  $M$ . The length of side  $ST$  is 7 cm, the length of side  $SU$  is 9 cm, and the length of the median  $SM$  is 7 cm.



Determine the length of  $TU$ .

