



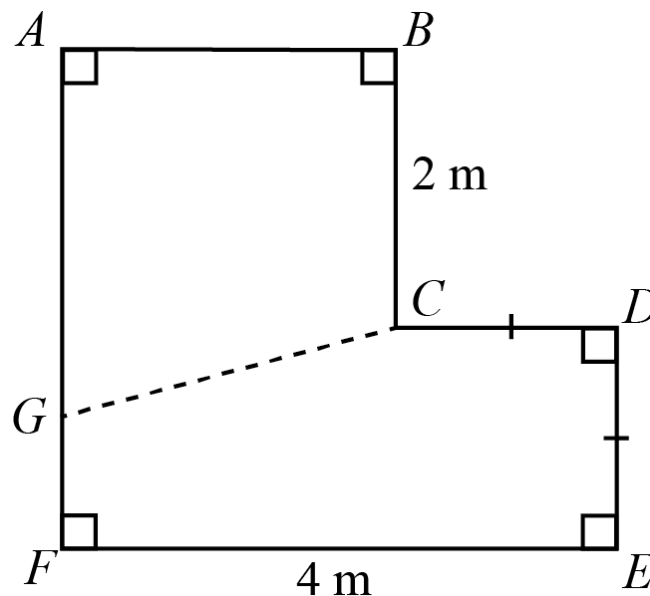
## Problem of the Week

### Problem D

#### Dividing Line

The Bobsie twins share an L-shaped room. The area of the entire room is  $11.2 \text{ m}^2$ . The twins are not getting along, so their parents decide to partition the room with tape so that each child has exactly the same area.

The layout of their room is represented by  $ABCDEF$  in the diagram. The partitioning tape, indicated by a dashed line, will travel from  $C$  to a point  $G$  on  $AF$ .



Where should  $G$  be located on  $AF$  in order to split the room into two smaller rooms of equal area?

