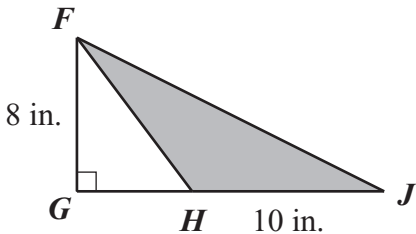


Abby drew  $\triangle FGJ$  and  $\overline{FH}$ , as shown in the diagram below.



The figure in the diagram has the following properties:

- Point  $H$  lies on  $\overline{GJ}$ .
- The length of  $\overline{FG}$  is 8 inches.
- The length of  $\overline{HJ}$  is 10 inches.

What is the area of the shaded triangle,  $\triangle FHJ$ ?

- A. 80 sq. in.
- B. 64 sq. in.
- C. 48 sq. in.
- D. 40 sq. in.