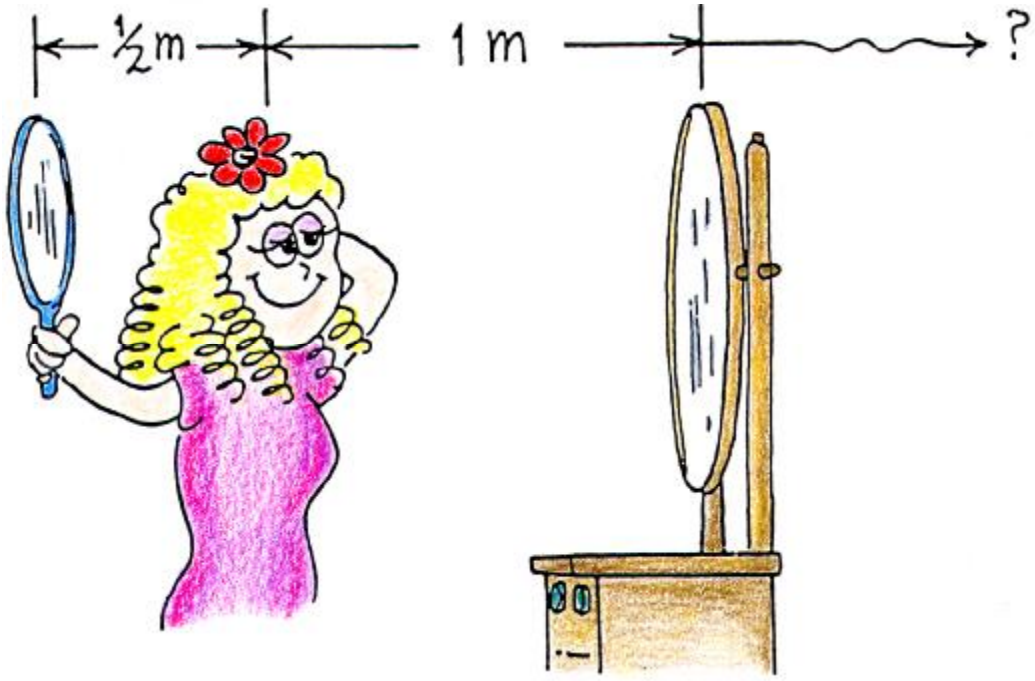
NEXT-TIME QUESTION

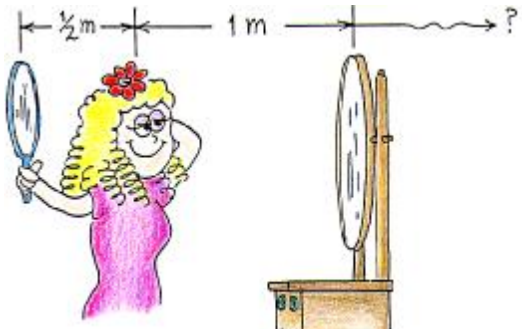
She stands 1 meter in front of the dresser mirror and looks at the flower on the top of her head in a small mirror held 1/2 meter behind her head.

How far in back of the dresser mirror does she see the image of the flower?



Hewitt Drew it!

NEXT-TIME QUESTION



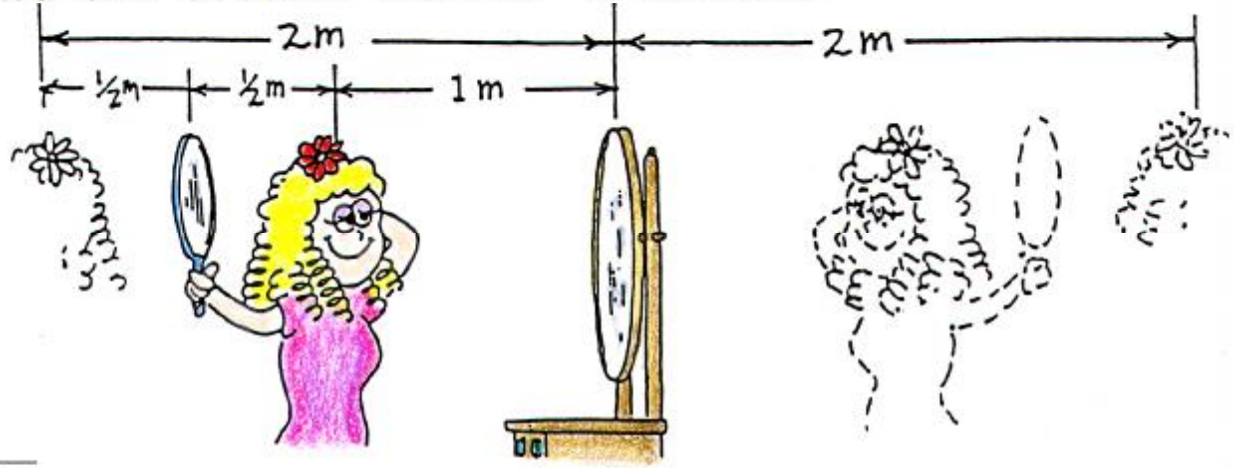
She stands 1 meter in front of the dresser mirror and looks at the flower on the top of her head in a small mirror held 1/2 meter behind her head.

How far in back of the dresser mirror does she see the image of the flower?

Answer: 2 meters

2 meters in back of the dresser mirror. Why? Because the image of the flower in the small mirror is as far behind the small mirror as the flower is in front: 1/2 meter.

This puts the flower image a distance 1 + 1/2 + 1/2 meters in front of the dresser mirror. This image is just as far behind the dresser mirror—2 meters.



CONCEPTUAL Physics

ARBOR SCIENTIFIC
TOOLS THAT TEACH.