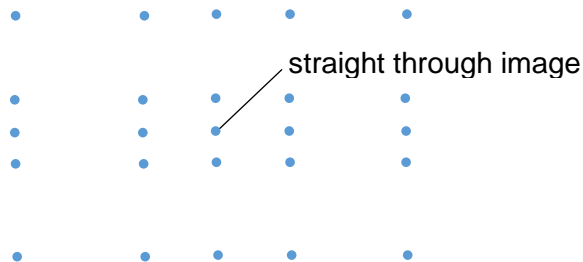


- 18** The image below (which is to scale) is formed by shining a monochromatic laser light perpendicularly through a fine nylon mesh consisting of very close vertical and horizontal threads. The vertical threads are equally spaced such that the distance between each thread is constant. The horizontal threads are also equally spaced.



Which statement about the spacing between the vertical threads and horizontal threads is true?

- A** The vertical and horizontal spacing are the same.
- B** The vertical spacing is smaller than the horizontal spacing.
- C** The vertical spacing is greater than the horizontal spacing.
- D** There is insufficient information to determine the relative spacing between the vertical and horizontal threads.