

QUESTION: A rectangular piece of paper is folded in half and then folded in half again. The resulting shape is a square with a side length of 4 cm. What was the original length of the paper?



ANSWER: The original length of the paper was 8 cm. When the paper is folded in half vertically, the length is halved to 4 cm. When it is folded in half horizontally, the width is halved to 2 cm. The resulting square has a side length of 4 cm.

QUESTION: A rectangular piece of paper is folded in half and then folded in half again. The resulting shape is a square with a side length of 4 cm. What was the original width of the paper?

ANSWER: The original width of the paper was 4 cm. When the paper is folded in half vertically, the length is halved to 4 cm. When it is folded in half horizontally, the width is halved to 2 cm. The resulting square has a side length of 4 cm.

QUESTION: A rectangular piece of paper is folded in half and then folded in half again. The resulting shape is a square with a side length of 4 cm. What was the original area of the paper?

ANSWER: The original area of the paper was 32 cm². The original length was 8 cm and the original width was 4 cm. The area is calculated as length multiplied by width, which is 8 cm multiplied by 4 cm, resulting in 32 cm².

QUESTION: A rectangular piece of paper is folded in half and then folded in half again. The resulting shape is a square with a side length of 4 cm. What was the original perimeter of the paper?