

Midpoint

A halfway point is a value that lies exactly in the middle of two other values.

This term also is referred to as a **midpoint**.

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This skill also is valuable in terms of real-life measuring tasks, such as centering a picture or a title on a poster.

You can determine the halfway point between a set of numbers by applying a simple formula.

Determine the two values for which you will be finding a halfway point.

In some instances, you will be given this information. At other times, you may need to measure between two points with a ruler or tape measure.

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Divide by 2 if you are determining the halfway point between zero and some other number.

For instance, if you measure a board that is 12 inches long, divide 12 by 2 to find a halfway point of 6.

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Add the two values if you are not starting from zero. For instance, if you are finding the halfway point between 20 and 30, add these two numbers to get 50.

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Divide your answer from Step 3 by 2 to find the halfway point.

In this example, you would divide 50 by 2 to find a halfway point of 25.

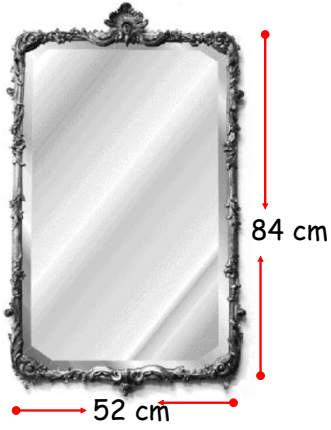
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Some strategies for determining the midpoint of a linear measurement include:

- dividing the total length by 2
- using a string to cover the full distance, fold it in half and use this distance to locate the middle
- constructing diagonals, where the point of intersection is the middle

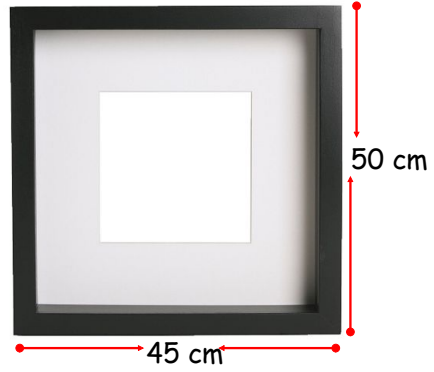
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I want to hang a mirror. I want to place the hanger 6 cm from the top and centered. Where should I put the hanger?



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I want to hang a picture frame. I want to place the hanger 3 cm from the top and centered. Where should I put the hanger?



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