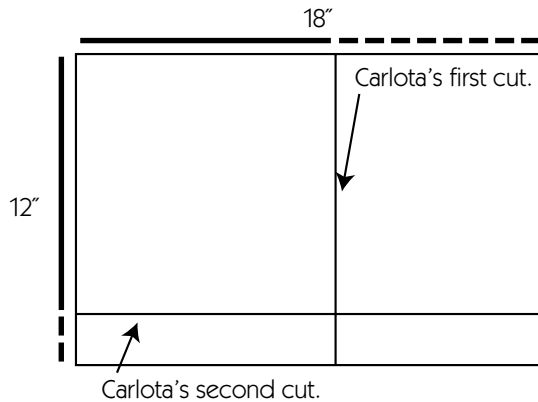


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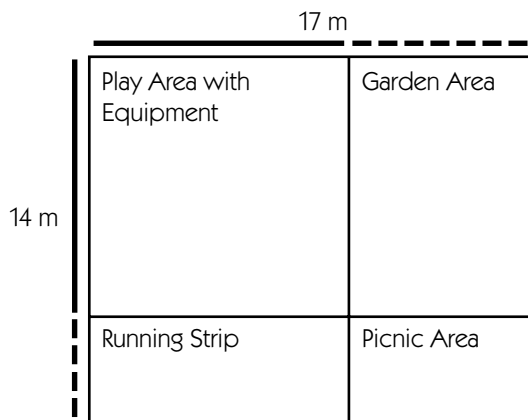
Multiplication Sketches page 1 of 2

1a Carlota has a piece of construction paper that is 12 inches by 18 inches. She needs a square that is 10 inches by 10 inches, so she makes two cuts in the paper. After making the cuts, Carlota gets her 10-by-10 square and three other pieces. Use a multiplication equation to label the area (in square inches) of each piece in the picture below.



b Determine the total area of the original 12-by-18-inch piece of paper.

2a The Woodlawn Preschool has a small playground that measures 17 meters by 14 meters. They want to divide it into different sections: a play area with equipment, a garden area, a picnic area, and a running strip. The playground is shown below. Use a multiplication equation to label the area (in square meters) of each piece in the picture below.



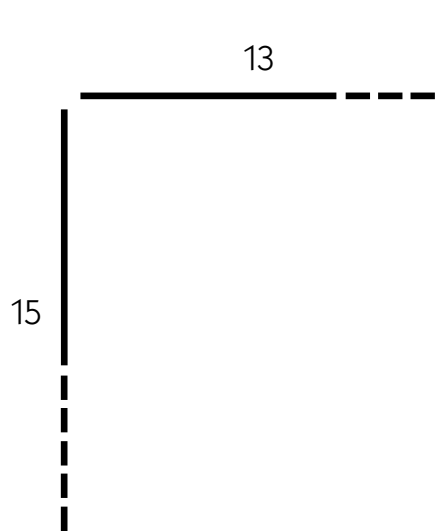
b What is the total area of the entire 17-by-14-meter playground?

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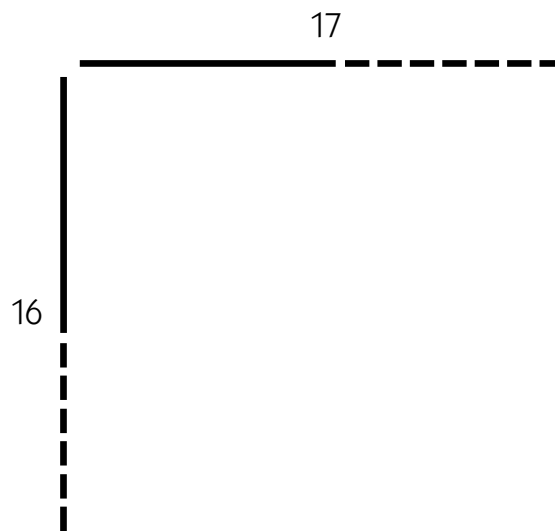
DATE _____

Multiplication Sketches page 2 of 2

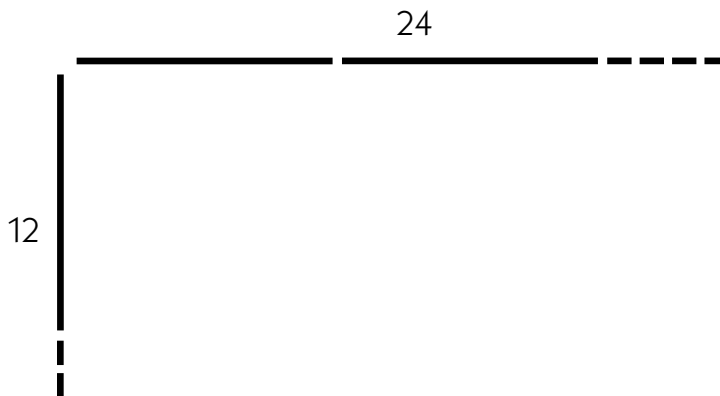
Sketch an array for each of the skeletons below, and label each part with a multiplication equation to show its area. Then find the total product of each array.



3 $15 \times 13 =$



4 $16 \times 17 =$



5 $12 \times 24 =$