

**Unit 13 Homework: Area and Perimeter Word Problems**

**Directions:** Solve each practical problem showing all work. Your answer must include proper units of measure.

1) Norman is a sunflower farmer. He uses a plot of land that is 3 km by 4.3 km. How much land does he use for his sunflowers?	2) Joanna created a triangular shaped vegetable garden and needs to put down fertilizer to cover the space. If the garden has a base of 1.4 m and a height of 2.6 m, how much fertilizer will she need?
3) Sue bought a triangular shaped piece of wood with a height is 6 inches and a base of 2 inches. She plans to cover the front with a piece of fabric, how much fabric will she need?	4) Before soccer practice Allyson jogs around the field that measures 100 yards by 65 yards <b>twice</b> . How far will she jog?
5) A farmer needs to buy fencing to go around his garden. The garden is 200 feet long by 150 feet wide. How much fencing will he need?	6) Joel has brownies. The length of each brownie is 7cm and the width is 5 cm. Find the area of the brownies.

<p>7) Lucy is painting one wall in her bedroom. The wall measures 13 feet long and 9 feet wide. If one can of paint covers 50 square feet will it be enough? Explain.</p>	<p>8) Andy wants to make a screen saver for his new computer. The screen is 32 inches long by 18 inches wide. What is the area of the screen?</p>
<p>9) Amanda is building a garden in her yard. She wants to plant flowers around the garden. If her garden is 3 feet long and 5 feet wide, how many feet of flowers will she have?</p>	<p>10) Lisa is buying a cover for her patio table. If the table is 5 feet on all sides, what is the area of the cover?</p>
<p>11) Ms. Patterson is putting up new border on her bulletin boards. If the bulletin board is 5.5 feet by 2.75 feet, how much border will she need?</p>	<p>12) Mr. Hample is putting a new patio in his backyard. The patio will measure 16 ft by 11 ft. He is planning to put a brick border around the patio. How many feet of brick will he have for the border?</p>
<p>13) Abby is going to ride her bike to her friend's house that is 2.3 miles away. Then she is going to ride her bike another 3.4 miles to Starbucks before heading home, which is another 3.8 miles. She noticed on the map that her route is in the shape of a triangle. How far will Abby ride her bike altogether?</p>	<p>14) Brendan is going to paint a wall that measures 10 feet tall by 13 feet wide. The wall has two windows that are 2.5 feet wide by 4 feet tall. What is the area of the wall that he is going to paint? (Think about this one, will he paint the windows?)</p>