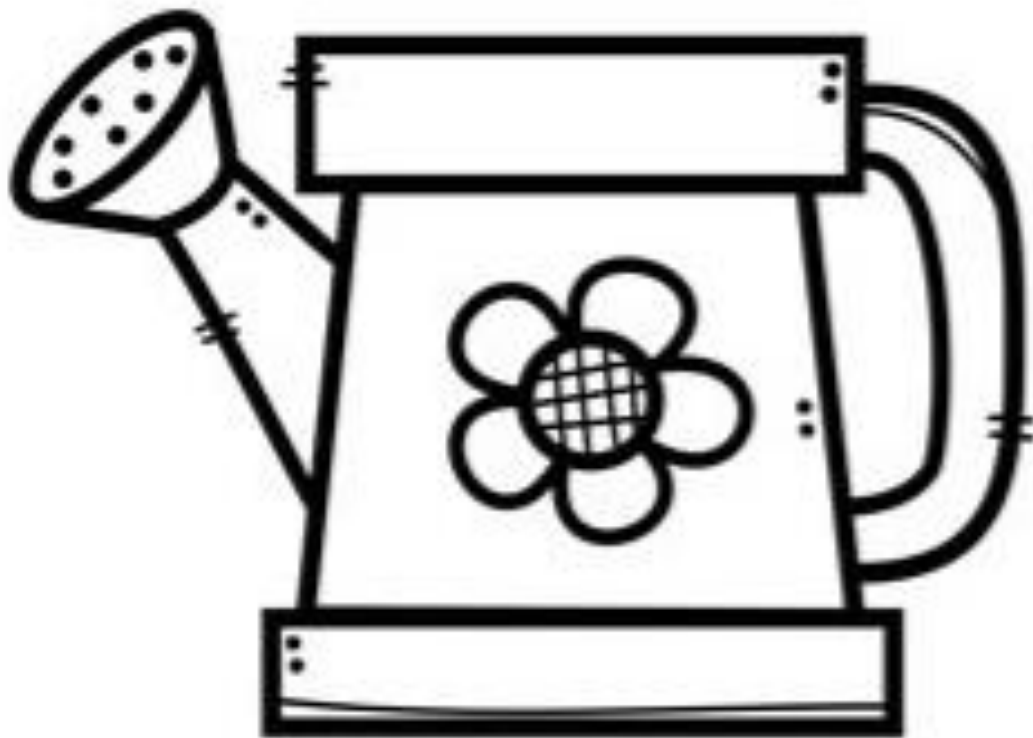


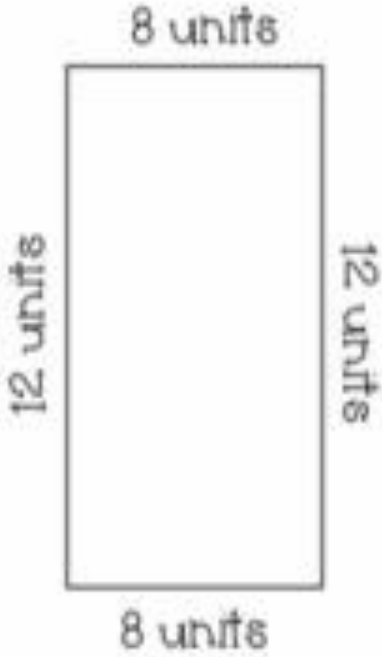

Project Based

Learning

Design a Garden



Perimeter and Area

Perimeter	Area
<p data-bbox="323 488 802 987">Perimeter is the distance around a shape. If the shape is a rectangle, it has four sides. Add the length of all four sides in order to find the perimeter.</p>  <p data-bbox="384 1850 715 1962">$8 + 12 + 8 + 12$ $= 40 \text{ units}$</p>	<p data-bbox="866 488 1329 1111">Area is the number of square units needed to cover the entire surface. You can find the area by counting all of the numbers of squares in a unit, or multiplying the base by the height.</p>  <p data-bbox="954 1839 1254 1951">8×12 $= 96 \text{ sq. units}$</p>

Pick Five

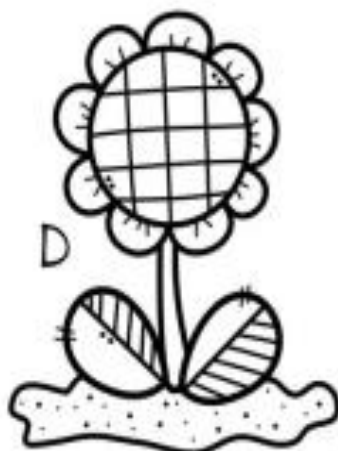
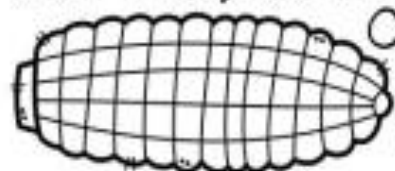
Name _____

Circle five items that you would want to have in your garden.. You will need to refer back to this page to answer future questions.

Area- 14 square units



Area- 24 square units



Perimeter- 12 units

Perimeter -28 units



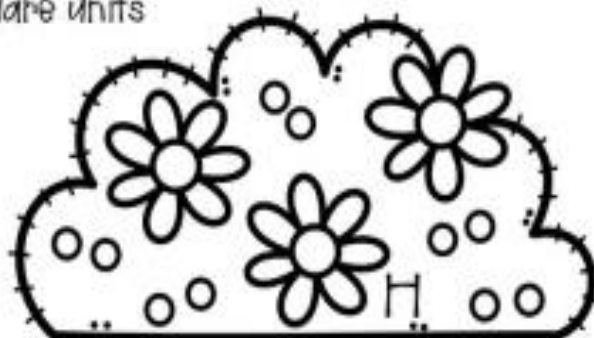
Area - 10 square units



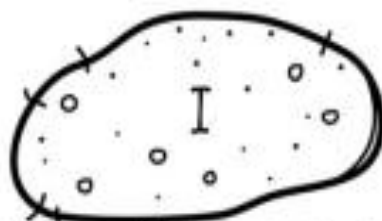
Perimeter - 20 units



Area- 45 square units



Perimeter - 40 units



Area - 15 square units



Perimeter -8 units

Garden Blueprint

Name _____

Use the graph on the next page to plan your garden. Start by adding your "Pick Five" items, and you may add more if you have space. Complete the following chart. Each item is labeled A-J, use this label in the chart and also on your blueprint.

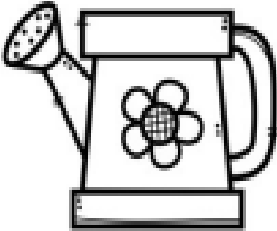

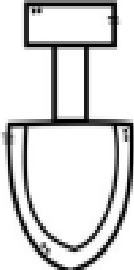
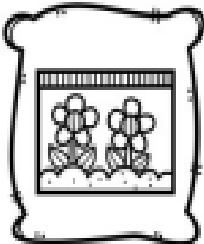
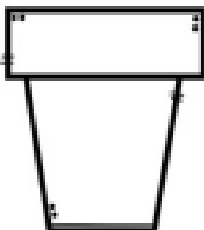
Item	Area	Perimeter



Buying Supplies

Name _____

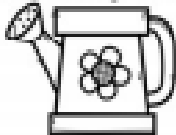

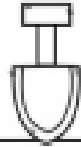
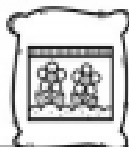


You must follow the following rules when buying supplies for your garden.

Item:	Rules:	How many items will you need for your garden?
	One watering can for every plot with an area of over 30 square units.	
	One seed packet for every 10 square units of area in each plot. Round up. (Example: If the area is 28 square units, that plot will require three seed packets).	
	No rules, buy as many as you would like.	
	One bag of soil for every plot that has more than 30 units of perimeter.	
	Buy one pot for every plot that is growing flowers.	

Buying Supplies

Name _____

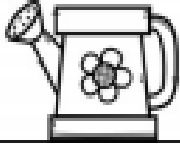

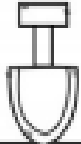
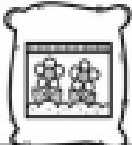
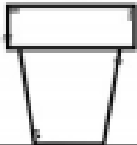

Fill in the chart to determine how much it will cost to buy your garden supplies.

	Cost per item	How many?	Total Cost
Watering Can 	£4 per watering can		
Seed Packet 	£2 per seed packet		
Shovel 	£1 per shovel		
Bag of Soil 	£2 per bag of soil		
Pot 	£5 per pot		
		Total Cost	_____

Buying Supplies

Name _____

Fill in the chart to determine how much it will cost to buy your garden supplies.

	Cost per item	How many?	Total Cost
Watering Can 	£4.75 per watering can		
Seed Packet 	£2.25 per seed packet		
Shovel 	£1.25 per shovel		
Bag of Soil 	£2.75 per bag of soil		
Pot 	£5.25 per pot		
		Total Cost	_____



Name _____

Draw Your Garden

Draw a picture of your garden. Make sure to add all of the elements of your garden that makes it unique!