Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write the 3 formulas related to area and perimeter and volume. Then explain when each formula should be used.

|  |  |
| --- | --- |
| Formula | When to use it : |
|  |  |
|  |  |
|  |  |

2. Explain what area is. You can use words, numbers and illustrations to support your answer.

3. Explain what perimeter is. You can use words, numbers and illustrations to

support your answer.

4. Explain what volume is. You can use words, numbers and illustrations to support your answer.

5. Identify the area and perimeter of each rectangle. Draw each rectangle below and show your work.

|  |  |
| --- | --- |
| a) L = 3cm W= 4cm A = P = | b) L= 40mm W = 60mmA = P = |

On graph paper:

6. Make a rectangle with a perimeter of 24 cm and label it “A”

7. Make a rectangle with an area of 4 cm2 and label it “B”

8. Make a rectangle with a perimeter of 12 cm and an area of 9 cm2 label it “C”

9. Make a rectangle with a perimeter of 10 cm and an area of 4 cm2 label it “D” .