










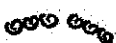

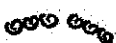





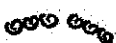

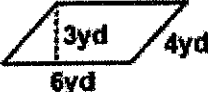




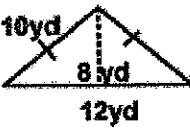

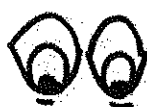

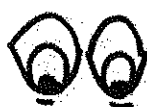

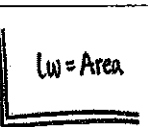
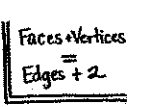
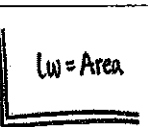
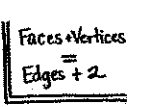



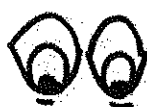
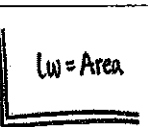
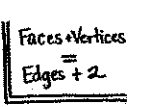





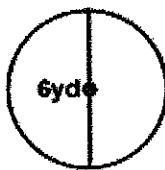




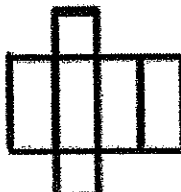




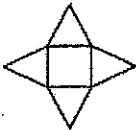

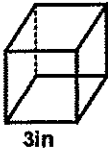
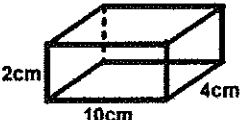
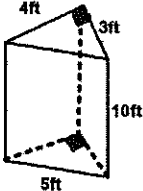
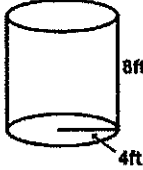
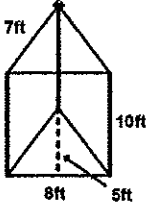
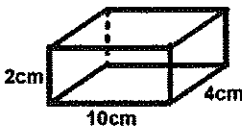
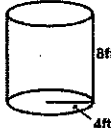
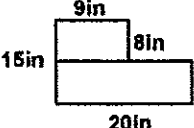
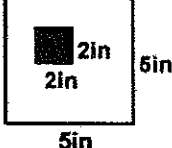


Lesson 18: Perimeter, Area, Surface Area & Volume

Directions: Solve each problem. SHOW YOUR WORK!!!

<p>1. Find the perimeter.</p> <div style="text-align: center;">  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>(a) If your answer is 70ft draw the following hair.</p> </td> <td style="width: 50%; text-align: center; padding: 5px;">  </td> </tr> <tr> <td style="padding: 5px;"> <p>(b) If your answer is 140ft draw the following hair.</p> </td> <td style="text-align: center; padding: 5px;">  </td> </tr> </table>	<p>(a) If your answer is 70ft draw the following hair.</p>		<p>(b) If your answer is 140ft draw the following hair.</p>		<p>2. Find the area.</p> <div style="text-align: center;">  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>(a) If your answer is 17in² draw the following nose.</p> </td> <td style="width: 50%; text-align: center; padding: 5px;">  </td> </tr> <tr> <td style="padding: 5px;"> <p>(b) If your answer is 16.5in² draw the following nose.</p> </td> <td style="text-align: center; padding: 5px;">  </td> </tr> </table>	<p>(a) If your answer is 17in² draw the following nose.</p>		<p>(b) If your answer is 16.5in² draw the following nose.</p>		<p>3. Find the perimeter.</p> <div style="text-align: center;">  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>(a) If your answer is 33ft draw the following eyebrows.</p> </td> <td style="width: 50%; text-align: center; padding: 5px;">  </td> </tr> <tr> <td style="padding: 5px;"> <p>(b) If your answer is 34ft draw the following eyebrows.</p> </td> <td style="text-align: center; padding: 5px;">  </td> </tr> </table>	<p>(a) If your answer is 33ft draw the following eyebrows.</p>		<p>(b) If your answer is 34ft draw the following eyebrows.</p>	
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<p>4. Find the area.</p> <div style="text-align: center;">  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>(a) If your answer is 18yd² draw the following mouth.</p> </td> <td style="width: 50%; text-align: center; padding: 5px;">  </td> </tr> <tr> <td style="padding: 5px;"> <p>(b) If your answer is 24yd² draw the following mouth.</p> </td> <td style="text-align: center; padding: 5px;">  </td> </tr> </table>	<p>(a) If your answer is 18yd² draw the following mouth.</p>		<p>(b) If your answer is 24yd² draw the following mouth.</p>		<p>5. Find the perimeter.</p> <div style="text-align: center;">  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>(a) If your answer is 32yd draw the following eyes.</p> </td> <td style="width: 50%; text-align: center; padding: 5px;">  </td> </tr> <tr> <td style="padding: 5px;"> <p>(b) If your answer is 40yd draw the following eyes.</p> </td> <td style="text-align: center; padding: 5px;">  </td> </tr> </table>	<p>(a) If your answer is 32yd draw the following eyes.</p>		<p>(b) If your answer is 40yd draw the following eyes.</p>		<p>6. Find the area.</p> <div style="text-align: center;">  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>(a) If your answer is 72m² draw the following chalkboard in the corner.</p> </td> <td style="width: 50%; text-align: center; padding: 5px;">  </td> </tr> <tr> <td style="padding: 5px;"> <p>(b) If your answer is 36m² draw the following chalkboard in the corner.</p> </td> <td style="text-align: center; padding: 5px;">  </td> </tr> </table>	<p>(a) If your answer is 72m² draw the following chalkboard in the corner.</p>		<p>(b) If your answer is 36m² draw the following chalkboard in the corner.</p>	
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<p>7. Find the circumference.</p> <div style="text-align: center;">  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>(a) If your answer is ≈ 25.12 ft draw the following objects on the serving tray.</p> </td> <td style="width: 50%; text-align: center; padding: 5px;">  </td> </tr> <tr> <td style="padding: 5px;"> <p>(b) If your answer is ≈ 12.56 ft draw the following object on the serving tray.</p> </td> <td style="text-align: center; padding: 5px;">  </td> </tr> </table>	<p>(a) If your answer is ≈ 25.12 ft draw the following objects on the serving tray.</p>		<p>(b) If your answer is ≈ 12.56 ft draw the following object on the serving tray.</p>		<p>8. Find the area.</p> <div style="text-align: center;">  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>(a) If your answer is ≈ 18.86 yd² draw the following on the shirt.</p> </td> <td style="width: 50%; text-align: center; padding: 5px;">  </td> </tr> <tr> <td style="padding: 5px;"> <p>(b) If your answer is ≈ 28.26 yd² draw the following on the shirt.</p> </td> <td style="text-align: center; padding: 5px;">  </td> </tr> </table>	<p>(a) If your answer is ≈ 18.86 yd² draw the following on the shirt.</p>		<p>(b) If your answer is ≈ 28.26 yd² draw the following on the shirt.</p>		<p>9. Name the solid for the net.</p> <div style="text-align: center;">  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>(a) If your answer is Rectangular Prism write the following name.</p> </td> <td style="width: 50%; text-align: center; padding: 5px;"> <p>Leonhard Euler</p> </td> </tr> <tr> <td style="padding: 5px;"> <p>(b) If your answer is Cube write the following name.</p> </td> <td style="text-align: center; padding: 5px;"> <p>Leibniz</p> </td> </tr> </table>	<p>(a) If your answer is Rectangular Prism write the following name.</p>	<p>Leonhard Euler</p>	<p>(b) If your answer is Cube write the following name.</p>	<p>Leibniz</p>
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Directions: Solve each problem and **COLOR** the object that corresponds with your answer.
SHOW YOUR WORK!!!

<p>10. Name the solid for the net.</p>  <p>(a) If your answer is Triangular Pyramid color the hair and eyebrows black.</p> <p>(b) If your answer is Square Pyramid color the hair and eyebrows brown.</p>	<p>11. Name the solid for the net.</p>  <p>(a) If your answer is Cylinder color the nose and ears orange.</p> <p>(b) If your answer is Cone color the nose and ears brown.</p>	<p>12. Find the Surface Area of the cube.</p>  <p>(a) If your answer is 54in color the shirt green.</p> <p>(b) If your answer is 27in color the shirt yellow.</p>
<p>13. Find the Surface Area..</p>  <p>(a) If your answer is 136cm color the objects on the serving tray yellow.</p> <p>(b) If your answer is 68cm color the objects on the serving tray gray.</p>	<p>14. Find the Surface Area.</p>  <p>(a) If your answer is 132 ft² color the face, neck and arm sleeves apricot.</p> <p>(b) If your answer is 144 ft² color the face, neck and arm sleeves brown.</p>	<p>15. Find the Surface Area.</p>  <p>(a) If your answer is ≈ 251.2 ft² color the glove purple.</p> <p>(b) If your answer is ≈ 301.44 ft² color the glove black.</p>
<p>16. Find the volume.</p>  <p>(a) If your answer is 200 ft³ color the serving tray red.</p> <p>(b) If your answer is 400 ft³ color the serving tray black.</p>	<p>17. Find the volume.</p>  <p>(a) If your answer is 60cm³ color the mouth pink.</p> <p>(b) If your answer is 80cm³ color the mouth red.</p>	<p>18. Find the volume.</p>  <p>(a) If your answer is ≈ 401.92 ft³ color the eyelids brown and the eyes black.</p> <p>(b) If your answer is ≈ 200.96 ft³ color the eyelids black and the eyes green.</p>
<p>19. Find the area.</p>  <p>(a) If your answer is 212in² color the border of the chalkboard yellow and the inside green.</p> <p>(b) If your answer is 372in² color the border of the chalkboard green and the inside yellow.</p>	<p>20. Find the unshaded area.</p>  <p>(a) If your answer is 23in² outline all the words in red.</p> <p>(b) If your answer is 21in² outline all the words in black.</p>	<p>21. True or False</p> <p>In order to find the surface area of a cube, you could find the area of one face and multiply by six.</p> <p>(a) If your answer is True color the background blue.</p> <p>(b) If your answer is False color the background purple.</p>

Artistic Tip: When you are done coloring, it looks nice to outline the major features using a black crayon or marker.

Introducing . . .

