


















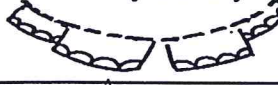

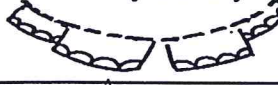









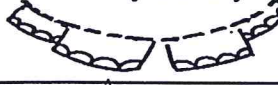
























## Lesson 5:

**Directions:** Find the correct answer and use a pencil to DRAW the object that corresponds to your answer.

<p>1. Evaluate</p> $\sqrt{900}$	<p>2.</p> $x^2 = 49$	<p>3.</p> $z^2 = \frac{49}{144}$												
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<p>4.</p> $\sqrt[3]{-64}$	<p>5.</p> $y^3 = \frac{1}{27}$	<p>6. Simplify</p> $\frac{8^3}{8} = 8$												
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<p>7. Simplify</p> $(5^6)^4$	<p>8. Simplify</p> $(3 \times 7)(6 \times 4)$	<p>9. Simplify</p> $\frac{M^{16}}{M^4}$												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%; padding: 2px;"> <p>(a) If your answer is <u>5^24</u> draw the following sun above the water line.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> <tr> <td style="padding: 2px;"> <p>(b) If your answer is <u>5^10</u> draw the following sun above the water line.</p> </td> <td style="text-align: center; padding: 2px;">  </td> </tr> </tbody> </table>	<p>(a) If your answer is <u>5^24</u> draw the following sun above the water line.</p>		<p>(b) If your answer is <u>5^10</u> draw the following sun above the water line.</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%; padding: 2px;"> <p>(a) If your answer is <u>18 \times 20</u> draw ONE fish swimming below the water line.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> <tr> <td style="padding: 2px;"> <p>(b) If your answer is <u>18 \times 11</u> draw FIVE fish swimming below the water line.</p> </td> <td style="text-align: center; padding: 2px;">  </td> </tr> </tbody> </table>	<p>(a) If your answer is <u>18 \times 20</u> draw ONE fish swimming below the water line.</p>		<p>(b) If your answer is <u>18 \times 11</u> draw FIVE fish swimming below the water line.</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%; padding: 2px;"> <p>(a) If your answer is <u>M^12</u> draw THREE clouds in the background.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> <tr> <td style="padding: 2px;"> <p>(b) If your answer is <u>M^4</u> draw ONE cloud in the background.</p> </td> <td style="text-align: center; padding: 2px;">  </td> </tr> </tbody> </table>	<p>(a) If your answer is <u>M^12</u> draw THREE clouds in the background.</p>		<p>(b) If your answer is <u>M^4</u> draw ONE cloud in the background.</p>	
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**Directions:** Find the correct answer and COLOR the object that corresponds to your answer.

<p>10.</p> <p style="text-align: center;"><math>9^0</math></p> <p>(a) If your answer is <u>1</u> color the nostrils pink.</p> <p>(b) If your answer is <u>0</u> color the nostrils gray.</p>	<p>11.</p> <p>Write <math>7^{-6}</math> with a positive exponent</p> <p>(a) If your answer is <u><math>\frac{1}{7^6}</math></u> color the hairy circle gray.</p> <p>(b) If your answer is <u><math>7^6</math></u> color the hairy circle purple.</p>	<p>12.</p> <p>Simplify <math>\frac{6^3}{6^{12}}</math> with a positive exponent</p> <p>(a) If your answer is <u><math>6^9</math></u> outline the hair and nostrils in the circle in brown.</p> <p>(b) If your answer is <u><math>\frac{1}{6^9}</math></u> outline the hair and nostrils in the circle in black.</p>
<p>13. A stack of plates is <math>3^6</math> mg. A jar of peanut butter weighs <math>\frac{9^7}{3^4}</math> mg. Which is heavier?</p> <p>(a) If your answer is <u>peanut butter</u> color the eyelids gray.</p> <p>(b) If your answer is <u>plates</u> color the eyelids pink.</p>	<p>14. Simplify <math>2x^2 = 72</math></p> <p>(a) If your answer is <u><math>x = \sqrt{72}</math></u> color the eyebrows brown.</p> <p>(b) If your answer is <u><math>x = 6, -6</math></u> color the eyebrows black.</p>	<p>15. Simplify <math>(4x^{10})(5x^{-2})</math></p> <p>(a) If your answer is <u><math>20x^8</math></u> color the eyes green.</p> <p>(b) If your answer is <u><math>20x^{-10}</math></u> color the eyes blue.</p>
<p>16. Simplify <math>\frac{12x^3}{4x^8}</math></p> <p>(a) If your answer is <u><math>\frac{3}{x^5}</math></u> color the ears purple and pink.</p> <p>(b) If your answer is <u><math>3x^5</math></u> color the ears pink and gray.</p>	<p>17. Simplify <math>\frac{x^4 \cdot x^5}{x^9}</math></p> <p>(a) If your answer is <u>1</u> color the belly pink.</p> <p>(b) If your answer is <u><math>x^{11}</math></u> color the belly black.</p>	<p>18. Simplify <math>5^0 \cdot x^3</math></p> <p>(a) If your answer is <u>0</u> color the toenails gray.</p> <p>(b) If your answer is <u><math>x^3</math></u> color the toenails black.</p>
<p>19. Simplify <math>a^2 = \frac{81}{225}</math></p> <p>(a) If your answer is <u><math>\frac{9}{15}</math> only</u> color the head, body, tail, and feet gray.</p> <p>(b) If your answer is <u><math>\frac{3}{5}, -\frac{3}{5}</math></u> color the head, body, tail, and feet purple.</p>	<p>20. Simplify <math>(3^4)^6</math></p> <p>(a) If your answer is <u><math>3^{24}</math></u> color the sun yellow with a gray sky.</p> <p>(b) If your answer is <u><math>3^{10}</math></u> color the sun yellow with a blue sky.</p>	<p>21. Simplify with a positive exponent <math>\frac{x^4}{x^{12}}</math></p> <p>(a) If your answer is <u><math>\frac{1}{x^8}</math></u> color the water blue with orange fish.</p> <p>(b) If your answer is <u><math>x^8</math></u> color the water blue with red fish.</p>

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



