

****YOU MUST SHOW WORK****



Lesson 8: Area and Perimeter of Rectangles, Triangles, and Circles

Directions: Solve each problem and use a pencil to DRAW the object that corresponds with your answer. SHOW YOUR STEPS!!!

<p>1. Find the Perimeter of the rectangle.</p> <p>5 ft. 3 ft.</p> <p>(a) If your answer is $P = 16$ ft. draw this helmet on the head.</p> <p>(b) If your answer is $P = 15$ ft. draw this helmet on the head.</p>	<p>2. Find the Perimeter of the triangle.</p> <p>6 in. 10 in. 15 in.</p> <p>(a) If your answer is $P = 31$ in. write "BOXER" on the helmet.</p> <p>BOXER</p> <p>(b) If your answer is $P = 25$ in. write "OUCH" on the helmet.</p> <p>OUCH</p>	<p>3. Find the Perimeter of the triangle.</p> <p>13 cm 12 cm 7 cm</p> <p>(a) If your answer is $P = 35$ cm draw the following hair on top of the helmet.</p> <p>(b) If your answer is $P = 32$ cm draw the following hair on top of the helmet.</p>
<p>4. Find the Perimeter of the rectangle.</p> <p>10 m 2 m</p> <p>(a) If your answer is $P = 20$ m draw the following eyes.</p> <p>(b) If your answer is $P = 24$ m draw the following eyes.</p>	<p>5. Find the circumference.</p> <p>3 m</p> <p>(a) If your answer is $C = 6\pi$ m draw the following eyebrows.</p> <p>(b) If your answer is $C = 3\pi$ m draw the following eyebrows.</p>	<p>6. Find the circumference.</p> <p>10 m</p> <p>(a) If your answer is $C = 10\pi$ m draw the following nose.</p> <p>(b) If your answer is $C = 5\pi$ m draw the following nose.</p>
<p>7. Find the area.</p> <p>5 mm 8 mm</p> <p>(a) If your answer is $A = 20$ mm² draw the following mouth.</p> <p>(b) If your answer is $A = 40$ mm² draw the following mouth.</p>	<p>8. Find the area.</p> <p>8 km</p> <p>(a) If your answer is $A = 16\pi$ km² draw 3 scars on the face.</p> <p>(b) If your answer is $A = 64\pi$ km² draw 1 scar on the face.</p>	<p>9. Find the area.</p> <p>3 m 15 m</p> <p>(a) If your answer is $A = 36$ m² draw this jersey on the shirt.</p> <p>(b) If your answer is $A = 45$ m² draw this jersey on the shirt.</p>
<p>10. Find the area.</p> <p>12 ft.</p> <p>(a) If your answer is $A = 36\pi$ ft² draw this boxing ring in the background.</p> <p>(b) If your answer is $A = 144\pi$ ft² draw this boxing ring in the background.</p>	<p>11. Find the area.</p> <p>4 m 22 m</p> <p>(a) If your answer is $A = 88$ m² draw TWO hearts in the background.</p> <p>(b) If your answer is $A = 44$ m² draw FIVE stars in the background.</p>	<p>12. Find the area.</p> <p>13 cm 13 cm</p> <p>(a) If your answer is $A = 169$ cm² write this word in hollow letters in the background.</p> <p>KNOCROUPT</p> <p>(b) If your answer is $A = 52$ cm² write the following letters in the background.</p> <p>TKO!</p>

Directions: Solve each problem and COLOR the object that corresponds with your answer. SHOW YOUR STEPS!!!

<p>13. Perimeter = 24 cm. Find x.</p> <p>7 cm x</p> <p>(a) If your answer is $x = 5$ cm color the helmet red.</p> <p>(b) If your answer is $x = 4$ cm color the helmet green.</p>	<p>14. Perimeter = 40 m. Find x.</p> <p>x x 10 m</p> <p>(a) If your answer is $x = 20$ m outline the word on the helmet in purple.</p> <p>(b) If your answer is $x = 15$ m outline the word on the helmet in black.</p>	<p>15. Circumference = 10π ft. Find x.</p> <p>x</p> <p>(a) If your answer is $x = 10$ ft. color the hair blue.</p> <p>(b) If your answer is $x = 5$ ft. color the hair purple.</p>
<p>16. Circumference = 8π m. Find x.</p> <p>x</p> <p>(a) If your answer is $x = 8$ m color the eyes green.</p> <p>(b) If your answer is $x = 4$ m color the eyes blue.</p>	<p>17. Perimeter = 24 in. Find x.</p> <p>$x+2$ x $x+1$</p> <p>(a) If your answer is $x = 8$ in. color the face, neck, and arms brown.</p> <p>(b) If your answer is $x = 7$ in. color the face, neck, and arms apricot.</p>	<p>18. Perimeter = 38 m. Find x.</p> <p>$2x+1$ x</p> <p>(a) If your answer is $x = 6$ m outline the nose, scar, eyebrows, and lines on the face in black.</p> <p>(b) If your answer is $x = 5$ m outline the nose, scar, eyebrows, and lines on the face in red.</p>
<p>19. Area = 15 ft². Find x.</p> <p>5 ft. x</p> <p>(a) If your answer is $x = 6$ ft. color the tongue pink and outline the mouth in red.</p> <p>(b) If your answer is $x = 3$ ft. color the tongue red and outline the mouth in black.</p>	<p>20. Area = 32 m². Find x.</p> <p>8 m x</p> <p>(a) If your answer is $x = 4$ m color the object on the jersey red.</p> <p>(b) If your answer is $x = 6$ m color the object on the jersey gray.</p>	<p>21. Area = 49π mm². Find x.</p> <p>x</p> <p>(a) If your answer is $x = 7$ mm color the jersey orange.</p> <p>(b) If your answer is $x = 14$ mm color the jersey green.</p>
<p>22. Area = 81π yd². Find x.</p> <p>x</p> <p>(a) If your answer is $x = 9$ yd. color the letters in the background green, and the rest of the shirt purple.</p> <p>(b) If your answer is $x = 18$ yd. color the letters in the background red, and the rest of the shirt red.</p>	<p>23. Area = 50 m². Find x.</p> <p>5 $x+2$</p> <p>(a) If your answer is $x = 10$ m color the stars/hearts orange, and the boxing ring posts green.</p> <p>(b) If your answer is $x = 8$ m color the stars/hearts yellow, and the boxing ring posts red.</p>	<p>24. Area = 20 in². Find x.</p> <p>$x-2$ 10</p> <p>(a) If your answer is $x = 4$ in. color the rest of the background yellow, and the boxing ring floor orange.</p> <p>(b) If your answer is $x = 6$ in. color the rest of the background orange, and the boxing ring floor blue.</p>

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

