
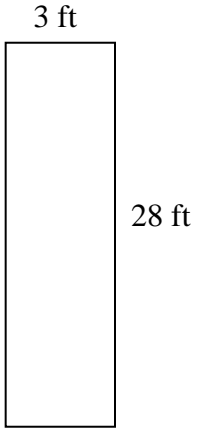


3-1 Perimeter & Areas of Rectangles & Triangles

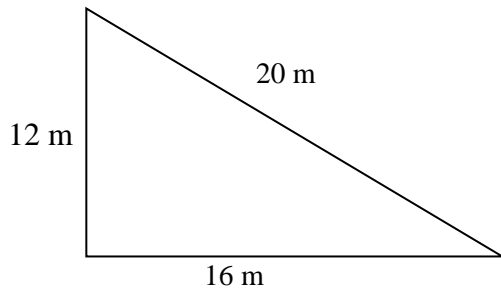
<p>Perimeter</p> <p>Area</p>	<p>The sum of all the sides of a polygon. Or distance around.</p> <p>The space inside a figure</p>
<p>Perimeter of a rectangle</p> <p>Area of a rectangle</p>	<p>$l = \text{length} \ \& \ w = \text{width}$</p> <p>$\text{Perimeter} = 2(l) + 2(w)$</p> <p>$\text{Area} = l \times w$</p>
<p>Ex #1: Find the perimeter & area:</p>  <p>6 in</p> <p>18 in</p>	<p>Ex #2: Find the perimeter & area:</p>  <p>3 ft</p> <p>28 ft</p>

Area of a triangle

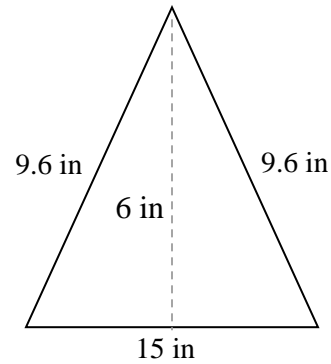
$b = \text{base} \ \& \ h = \text{height}$

$$A = \frac{1}{2}bh$$

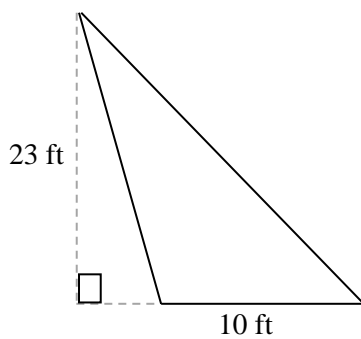
Ex #3: Find the perimeter & area?



Ex #4: Find the perimeter & area?



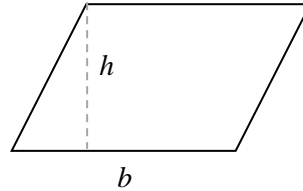
Ex #5: Find the area?



3-2 Areas of Quadrilaterals

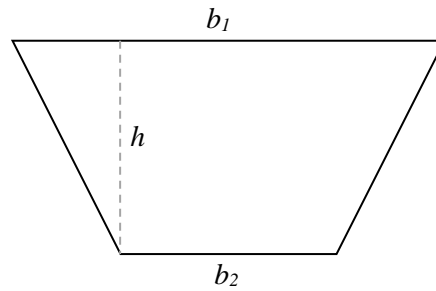
Area of a
parallelogram

$$\text{Area} = b \times h$$



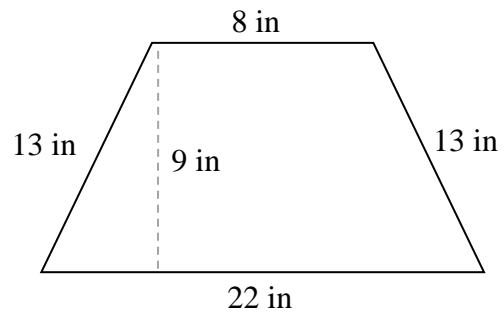
Area of a trapezoid

$$A = \frac{1}{2}(b_1 + b_2)h$$

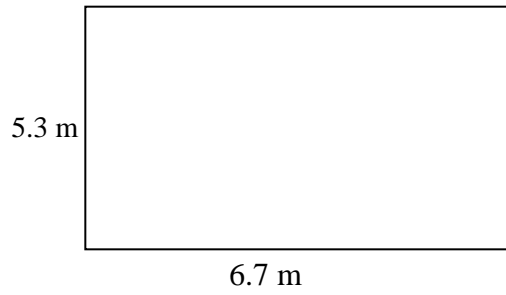


Find the perimeter
& area of each
figure:

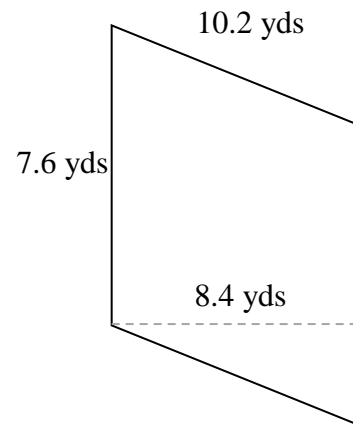
Ex #1:



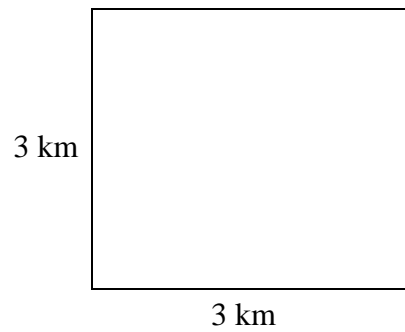
Ex #2:



Ex #3:



Ex #4:
Explore the
perimeter & area of
a square.



3-3 Circumference & Areas of Circles

Circumference of a Circle

r = radius, d = diameter

$$Pi = \pi \approx 3.14$$

$$C = 2\pi r \text{ or } d\pi$$

Area of a Circle

$$A = \pi r^2$$

Round each answer to the nearest hundredth:

Ex #1: Find the Circumference and area of a circle with $r = 5 \text{ ft.}$

Ex #2: Find the circumference and area of a circle with $d = 3mm$

Ex #3: The area of a circle is 18.84 cm^2 . Find the radius, diameter, and circumference.