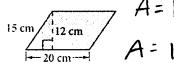
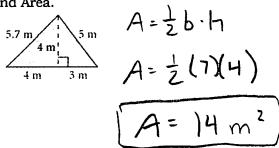
Area of Parallelograms, Rectangles, Squares and Triangles

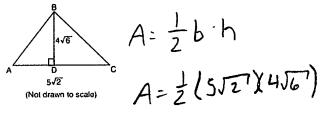
1. Find Area.



2. Find Area.



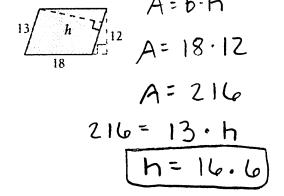
3. Find the area to the nearest tenth



4. The perimeter of a square is 64 meters. Find the area of the square.

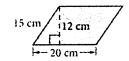
$$A = 5^2$$
 $A = 16^2 = 256 m^2$

5. Solve for h.

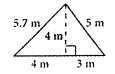


Area of Parallelograms, Rectangles, Squares and Triangles

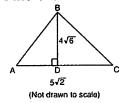
1. Find Area.



2. Find Area.

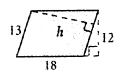


3. Find the area to the nearest tenth

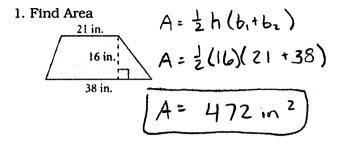


4. The perimeter of a square is 64 meters. Find the area of the square.

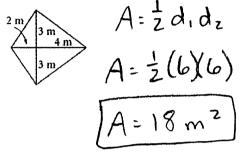
5. Solve for h.



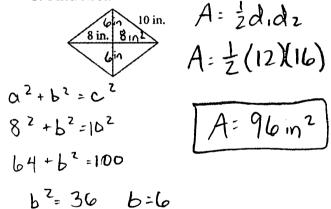
Area of Trapezoids, Rhombus, and Kite



2. Find Area



3. Find Area



4. The area of a kite is 120 cm². The length of one diagonal is 20 cm. What is the length of the other diagonal?

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

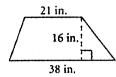
$$120 = \frac{1}{2} (20)(d_{2})$$

$$120 = 10 d_{2}$$

$$12 = d_{2}$$

Area of Trapezoids, Rhombus, and Kite

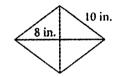
1. Find Area



2. Find Area



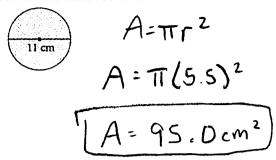
3. Find Area



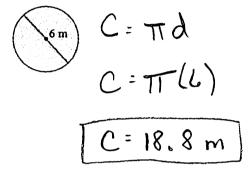
4. The area of a kite is 120 cm². The length of one diagonal is 20 cm. What is the length of the other diagonal?

Area and Circumference of Circles

1. Find Area to the nearest tenth.



2. Find Circumference to the nearest tenth



3. Find the area of a circle in terms of π that has a circumference of 18π .

$$C = 2\pi\Gamma$$
 $A = \pi\Gamma^{2}$
 $A = \pi\Gamma^{2}$

4. Find the circumference to the nearest tenth of a circle with the points (4, 6) and (-2, 9) as the endpoints of a diameter.

$$d = \int (x_2 - x_1)^2 + (y_2 - y_1)^2$$
 C= πd

$$d = \int (4 + 2)^2 + (6 - 9)^2$$
 C= $\pi (\sqrt{45})$

$$d = \int 6^2 + (-3)^2$$
 C= 21.1

$$d = \int 45$$

Area and Circumference of Circles

1. Find Area to the nearest tenth.



2. Find Circumference to the nearest tenth

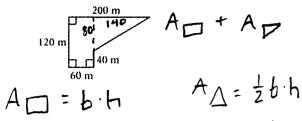


3. Find the area of a circle in terms of π that has a circumference of 18π .

4. Find the circumference to the nearest tenth of a circle with the points (4, 6) and (-2, 9) as the endpoints of a diameter.

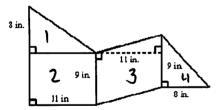
Compositions of Parallelograms, Rectangles, Squares and Triangles

1. Find Area.



$$A \Box = b \cdot h$$
 $A = \frac{1}{2}b$

3. Find the area to the nearest tenth

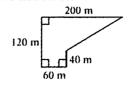


$$A_1 = \frac{1}{2}bh$$
 $A_2 = bh$ $A_3 = bh$ $A_3 = bh$ $A_1 = \frac{1}{2}(11)(8)$ $A_2 = 11.9$ $A_3 = 9.11$

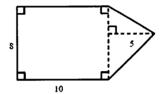
$$A_1 = 44 \text{ in}^2$$
 $A_2 = 99 \text{ in}^2$ $A_3 = 99 \text{ in}^2$

Compositions of Parallelograms, Rectangles, Squares and Triangles

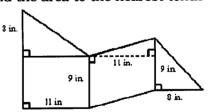
1. Find Area.



2. Find Area.



3. Find the area to the nearest tenth



Compositions of Trapezoids, Rhombus, and Kite

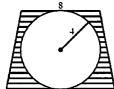
1. Find the Area to the nearest tenth.



$$A = \frac{1}{2}d_1d_2$$

 $A = \frac{1}{2}(13.856)$

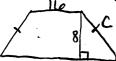
2. Find the Area of the shaded region.

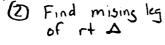


$$A_{T} = \frac{1}{2} h(b_{1} + b_{2})$$
 $A_{0} = \pi \Gamma^{2}$

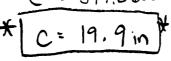
Shoded Area = 76-16TT or 25.7

3. The area of an isosceles trapezoid is 274 in2. Its height is 8 in. and the length of its shorter base is 16 in. Find the length of its legs to the nearest tenth. (Draw a picture)



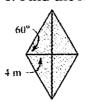


$$274 = 4(16+b_z)$$
 $a^2 + b^2 = c^2$ $8^2 + 18.25^2 = c^2$

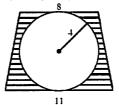


Compositions of Trapezoids, Rhombus, and Kite

1. Find the Area to the nearest tenth.



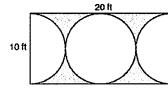
2. Find the Area of the shaded region.



3. The area of an isosceles trapezoid is 274 in2. Its height is 8 in. and the length of its shorter base is 16 in. Find the length of its legs to the nearest tenth. (Draw a picture)

Compositions of Circles and Other Polygons

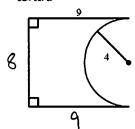
1. Find the area of the shaded region.



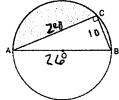
$$A \Box - A_{o's}$$

 $r = 5$
2 full circles

2. Find the Perimeter of the figure to the nearest tenth.

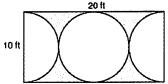


3. In the accompanying diagram, right triangle ABC is inscribed in circle O, diameter AB = 26, and CB = 10. Find, to the nearest square unit, the area of the shaded region

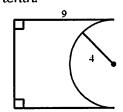


Compositions of Circles and Other Polygons

1. Find the area of the shaded region.



2. Find the Perimeter of the figure to the nearest tenth.



3. In the accompanying diagram, right triangle ABC is inscribed in circle O, diameter AB = 26, and CB = 10. Find, to the nearest square unit, the area of the shaded region.

