

Unit 9 Review 2

Unit 9 Geometry

Name _____

Date _____ Period _____

Rectangles and Parallelograms

1. A doorway measures 6 feet high and 3 feet wide. What is the area of the doorway?

A) 6 ft^2
 B) 9 ft^2
 C) 18 ft^2
 D) 27 ft^2



Formula _____

Plug in Values _____

Area _____

2. A metal panel measures 4 feet high and 2.25 feet wide. What is the area of the panel?

A) 6 ft^2
 B) 9 ft^2
 C) 18 ft^2
 D) 27 ft^2



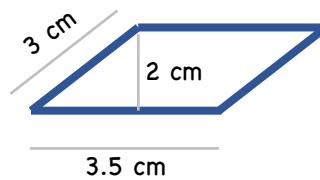
Formula _____

Plug in Values _____

Area _____

3. A parallelogram is shown to the right. What is the area of this parallelogram?

A) 6 cm^2
 B) 7 cm^2
 C) 8.5 cm^2
 D) 10.5 cm^2



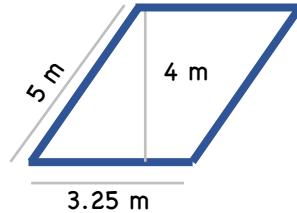
Formula _____

Plug in Values _____

Area _____

4. A parallelogram shaped garden plan is shown to the right. What is the area of this garden?

A) 7.25 m^2
 B) 13 m^2
 C) 16.25 m^2
 D) 20 m^2



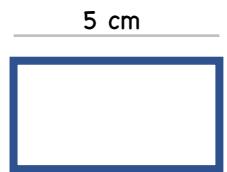
Formula _____

Plug in Values _____

Area _____

5. This rectangle represents the base of a rectangular prism. The height of the rectangular prism is 11 centimeters. What is the volume of the rectangular prism??

A) 15 cm^3
 B) 19 cm^3
 C) 55 cm^3
 D) 165 cm^3



Formula _____

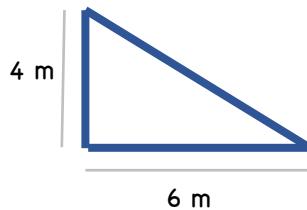
Plug in Values _____

Area _____

Triangles and Trapezoids

6. A park is installing a triangle shaped pond (shown to the right). What is the area of the pond?

A) 10 m^2
B) 12 m^2
C) 24 m^2
D) 48 m^2



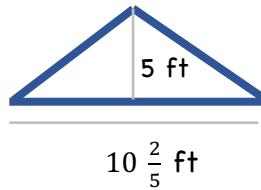
Formula _____

Plug in Values _____

Area _____

7. Part of a shed wall need repairing. The triangle to the right shows where the siding need replaced. How many square-feet of siding need replaced?

A) 10.4 ft^2
B) 26 ft^2
C) 52 ft^2
D) 510 ft^2



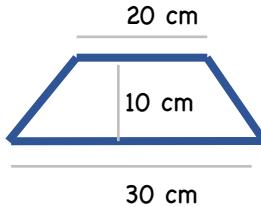
Formula _____

Plug in Values _____

Area _____

3. A wooden box is shown at right. What is the area of the wooden box?

A) 250 cm^2
B) 300 cm^2
C) 500 cm^2
D) 1000 cm^2



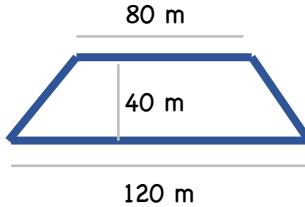
Formula _____

Plug in Values _____

Area _____

4. A farmer is fertilizing a field (shown to the right). If each pound of fertilizer covers 100 square-meters, how many pounds will the farmer need?

A) 40 pounds
B) 80 pounds
C) 4000 pounds
D) 8000 pounds



Formula _____

Plug in Values _____

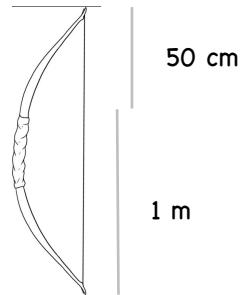
Area _____

Answer _____

Warm Up Questions

1. A kids' longbow is 1 meter, 50 centimeters long. How long is the bow in millimeters?

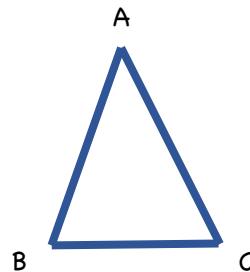
- A) 0.15 mm
- B) 15 mm
- C) 150 mm
- D) 1500 mm



2. In triangle ABC, the measure of angle A is 50° and angle B is congruent to C.

What is the measure of angle B?

- A) 55°
- B) 65°
- C) 90°
- D) 130°



3. Which of the following would form a triangle with the two existing sides of 2 inches and 5 inches?

- A) 1 in
- B) 4 in
- C) 7 in
- D) 11 in

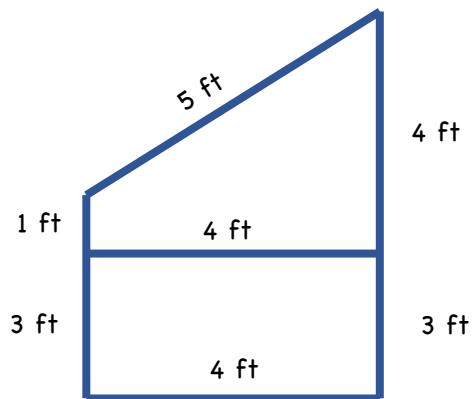


Building a Better Chicken Coop



This Summer, my wife and I are planning to build a new chicken coop.

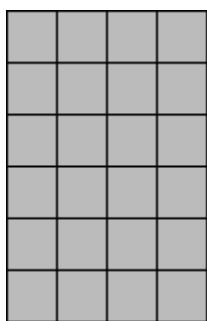
The plans for one wall look like this:



I will need wire mesh to cover this entire wall.
How many Square feet of mesh do I need?

I can find the measurement of a missing angle

Rectangle

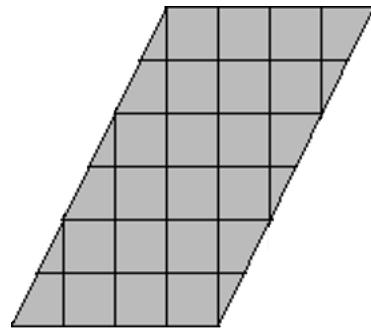


Formula _____

Plug in Values _____

Area _____

Parallelogram

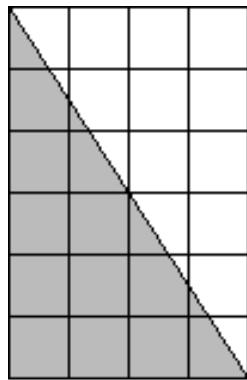


Formula _____

Plug in Values _____

Area _____

Triangle

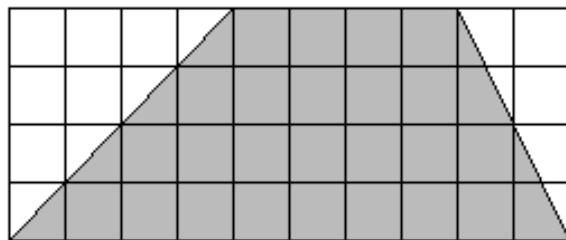


Formula _____

Plug in Values _____

Area _____

Trapezoid



Formula _____

Plug in Values _____

Area _____