

# 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)  $6 \text{ ft}^2$   
B)  $9 \text{ ft}^2$   
C)  $18 \text{ ft}^2$   
D)  $27 \text{ ft}^2$

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?



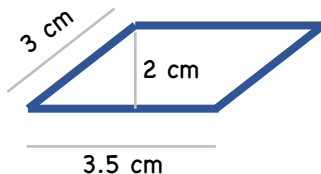
- A)  $6 \text{ ft}^2$   
B)  $9 \text{ ft}^2$   
C)  $18 \text{ ft}^2$   
D)  $27 \text{ ft}^2$

Formula \_\_\_\_\_

Plug in Values \_\_\_\_\_

Area \_\_\_\_\_

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



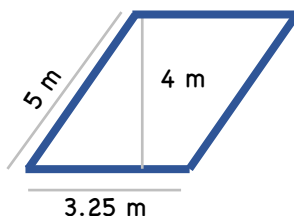
- A)  $6 \text{ cm}^2$   
B)  $7 \text{ cm}^2$   
C)  $8.5 \text{ cm}^2$   
D)  $10.5 \text{ cm}^2$

Formula \_\_\_\_\_

Plug in Values \_\_\_\_\_

Area \_\_\_\_\_

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



- A)  $7.25 \text{ m}^2$   
B)  $13 \text{ m}^2$   
C)  $16.25 \text{ m}^2$   
D)  $20 \text{ m}^2$

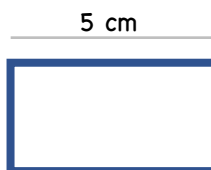
Formula \_\_\_\_\_

Plug in Values \_\_\_\_\_

Area \_\_\_\_\_

## Volume - Rectangular Prism

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)  $15 \text{ cm}^3$   
B)  $19 \text{ cm}^3$   
C)  $55 \text{ cm}^3$   
D)  $165 \text{ cm}^3$

Formula \_\_\_\_\_

3 cm Plug in Values \_\_\_\_\_

Area \_\_\_\_\_

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Unit 9 Geometry

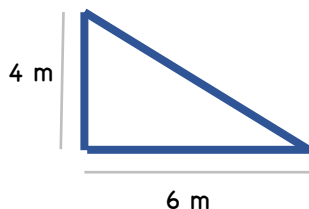
Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

## Triangles and Trapezoids

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

- A)  $10 \text{ m}^2$   
B)  $12 \text{ m}^2$   
C)  $24 \text{ m}^2$   
D)  $48 \text{ m}^2$



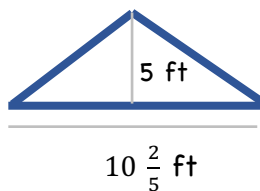
Formula \_\_\_\_\_

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)  $10.4 \text{ ft}^2$   
B)  $26 \text{ ft}^2$   
C)  $52 \text{ ft}^2$   
D)  $510 \text{ ft}^2$



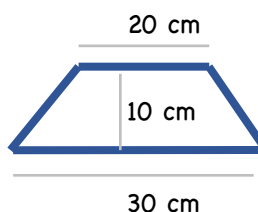
Formula \_\_\_\_\_

Plug in Values \_\_\_\_\_

Area \_\_\_\_\_

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

- A)  $250 \text{ cm}^2$   
B)  $300 \text{ cm}^2$   
C)  $500 \text{ cm}^2$   
D)  $1000 \text{ cm}^2$



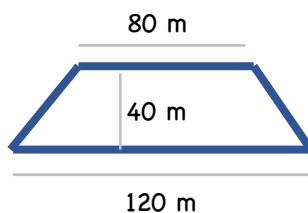
Formula \_\_\_\_\_

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 \_\_\_\_\_

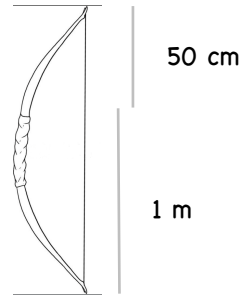
Area \_\_\_\_\_

Answer \_\_\_\_\_

## Warm Up Questions

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

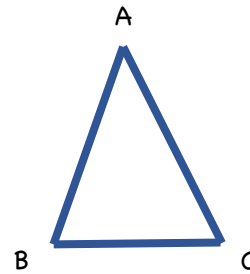
- A) 0.15 mm  
B) 15 mm  
C) 150 mm  
D) 1500 mm



2. In triangle ABC, the measure of angle A is  $50^\circ$  and angle B is congruent to C.

What is the measure of angle B?

- A)  $55^\circ$   
B)  $65^\circ$   
C)  $90^\circ$   
D)  $130^\circ$



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

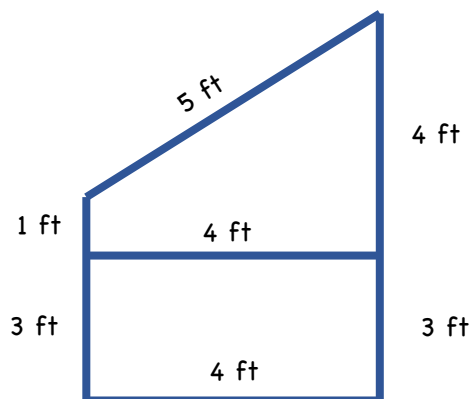


## Building a Better Chicken Coop



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

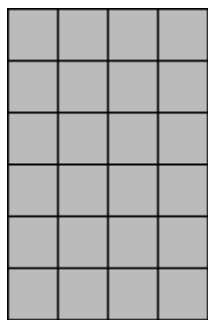
The plans for one wall look like this:



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

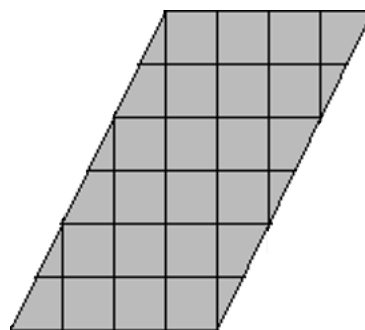


Formula \_\_\_\_\_

Plug in Values \_\_\_\_\_

Area \_\_\_\_\_

Parallelogram

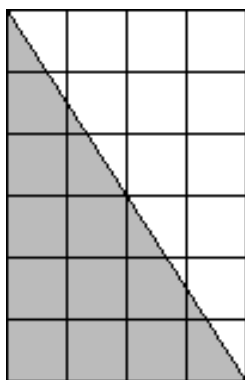


Formula \_\_\_\_\_

Plug in Values \_\_\_\_\_

Area \_\_\_\_\_

Triangle

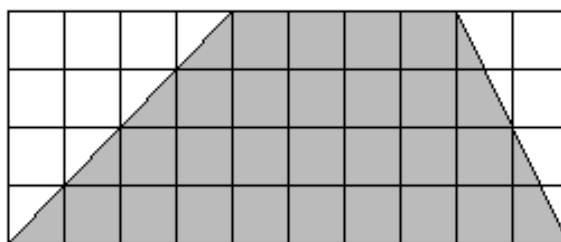


Formula \_\_\_\_\_

Plug in Values \_\_\_\_\_

Area \_\_\_\_\_

Trapezoid



Formula \_\_\_\_\_

Plug in Values \_\_\_\_\_

Area \_\_\_\_\_