Date _____ Pd _____

AREA OF RECTANGLES AND PARALLELOGRAMS

AREA OF RECTANGLES	 Area is the	of a two-dimensional `it as the square units that a shape covers. , where "b" is the length of the the height of the rectangle. units: feet • feet = meters • meters =			
Practice using the fo	rmula for the area of a rec	stangle to solve the problems below.			
1. 1 5 cm	12.7 cm	2. $2\frac{1}{2}$ ft $1\frac{2}{5}$ ft			
For	mula:	Formula:			
Piug in vo	alues: Ared:	Area:			
3. Two walls of a roo square feet will be pa	m are being painted. Each inted?	wall measures 16 feet by $8\frac{1}{2}$ feet. How many			
• Formulas can be manipulated to solve for missing information. Ex: A = bh can be written asor					
Use your understandir	ng of the area of rectangles	s to answer the question below.			
4. The area of the re	ctangle is 162 m ² . What is t	he length of the base, b?			
18 m	b	Formula: Plug in Values:			



Plug in Values: _____ Area:

9. Karlie was given the rectangle and parallelogram pictured below on her math test. She said that they both had an area of 11.5 in² because they both had the same base and the same height. Is she correct? If not, explain why and find the correct area.



Plug in Values:

Area:

Summarize today's lesson:

Date

Pd

AREA OF RECTANGLES AND PARALLELOGRAMS



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Summarize today's lesson:

Name _____

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AREA OF TRIANGLES AND TRAPEZOIDS



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Use your understanding of area to answer questions 4-9.



Name _____

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Use your understanding of area to answer questions 4-9.



Name _____

Date _____ Pd _____

AREA OF RECTANGLES AND PARALLELOGRAMS

Solve the problems below. Be sure to show your work.

1. Determine the area of the rectangle.	2. Determine the area of the parallelogram.		
7 ¹ / ₂ m 15 m Formula: Plug in Values: Area:	12.5 m Formula: Plug in Values: Area:		
3. The area of the parallelogram is 17.6 cm ² . What is the length of the base? b No S S Formula: Plug in Values: Base:	4. The area of the rectangle is $10\frac{5}{6}$ in ² . What is the length of the base? $4\frac{1}{3}$ in Formula: b Plug in Values: Base:		

For 5-7, use your understanding of area to solve the application problems below.

5. How many square feet of wallpaper will be used to cover a wall measuring 9 feet by $18\frac{1}{4}$ feet?	6. The parallelogram-shaped area below is being covered with carpet. The carpet is priced at \$2.80 per square meter. How much will it cost to carpet the area?	
	ω.1 μ .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 	
7. Jordan is helping his dad build a doghouse. The of 5 feet and an area of 36.25 ft ² . What is the le	e floor is rectangle-shaped with a width ngth of the rectangular floor?	

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Name

AREA OF TRIANGLES AND TRAPEZOIDS

Match each correct answer to a letter and complete the riddle below. Not all choices will be used.



L: 36	T: 5	F: 12.15	H: 56	A: 37.8	I: 127.5
R: 50.4	C: 12	E: 20.25	S: 35	G: 108	M: 168
H: 63.64	E: 3	W: 35.4	T: 6	A: 54	N: 24

WHAT IS BLACK AND WHITE AND HAS LOTS OF PROBLEMS?

5 2 7 1 6

8

4