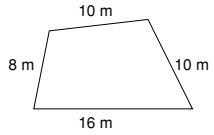
LESSON 9-2

Puzzles, Twisters & Teasers

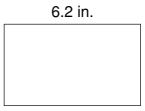
Around and Around!

Find the perimeter or circumference of each figure. Round the circumference to the nearest tenth. Match your answers to the corresponding letter to solve the riddle.

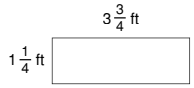
1. 44 m = **E**



2. 19.8 in. = **V**



3. 10 ft = **L**



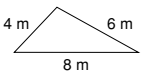
4. 25.1 cm = **I**



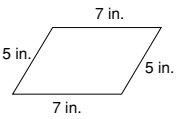
5. 19.5 cm = **C**



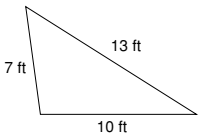
6. 18 m = **O**



7. 24 in. = **R**



8. 30 ft = **S**



9. 9.4 ft = **U**



What's round and bad-tempered?

A	V	I	C	I	O	U	S
	19.8	25.1	19.5	25.1	18	9.4	30

C	I	R	C	L	E
19.5	25.1	24	19.5	10	44



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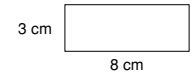
CHAPTER 9-3

Practice A

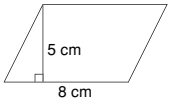
Area of Parallelograms

Find the area of each figure. Choose the letter for the best answer.

1.



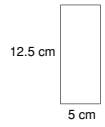
2.



A 11 cm² **C** 24 cm² **F** 26 cm² **H** 48 cm²
B 22 cm² **D** 48 cm² **G** 40 cm² **J** 80 cm²

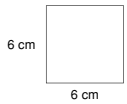
Find the area of each rectangle.

3.



62.5 cm²

4.



36 cm²

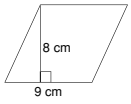
5.



48 cm²

Find the area of each parallelogram.

6.



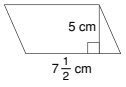
72 cm²

7.



36 cm²

8.



37 1/2 cm²

9. Michelle wants to carpet her living room. The area of the living room is 192 ft². The length of the living room is 16 ft. What is the width of the living room? 12ft

10. Mustafa is tiling his bathroom. The section that needs to be tiled is 62 in. by 70 in. How many square inches of tile does he need? 4,340 in²

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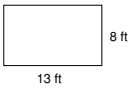
LESSON 9-3

Practice B

Area of Parallelograms

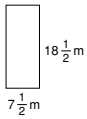
Find the area of each rectangle.

1.



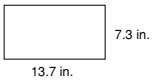
104 ft²

2.



138 3/4 m²

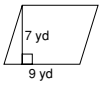
3.



100.01 in²

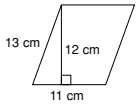
Find the area of each parallelogram.

4.



63 yd²

5.



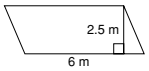
132 cm²

6.



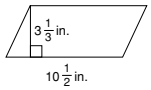
41.76 ft²

7.



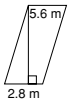
15 m²

8.



35 in.²

9.



15.68 m²

10. A dollar bill is 15.5 cm long and 6.5 cm wide. What is the area of a dollar bill?

100.75 cm²

11. A rectangular hallway has an area of 70 ft². The width of the hallway is 4 feet. What is the length of the hallway?

17.5 ft

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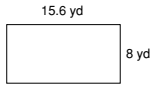
LESSON 9-3

Practice C

Area of Parallelograms

Find the area of each rectangle.

1.



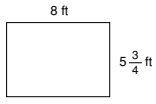
124.8 yd²

2.



18 in.²

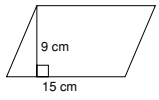
3.



46 ft²

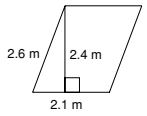
Find the area of each parallelogram.

4.



135 cm²

5.



5.04 m²

6.



21 yd²

Find the area of each polygon.

7. rectangle: ℓ = 29 in., w = 15 in.

435 in²

8. parallelogram: b = 8 m, h = 3.6 m

28.8 m²

Sketch the figure with the given vertices. Then find the area of the figure.

9. (3, −2), (8, −2), (3, 6), (8, 6)

40 units²

10. (2, 0), (5, 3), (8, 0), (11, 3)

18 units²

11. (−4,1), (−9, 1), (0, 7), (−5, 7)

30 units²

12. (−1, −2), (4, −2), (−1, 5), (4, 5)

35 units²

13. What is the length of the base of a parallelogram with an area of 36 cm² and a height of 4.5 cm?

8 cm

14. A window is composed of 6 windowpanes. Each has a length of 10 1/2 in. and a width of 7 1/4 in. What is the total area of glass in the window?

456 3/4 in²

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