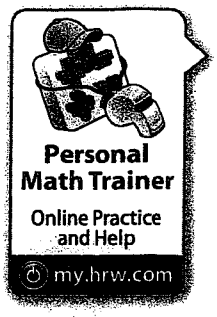


YOUR TURN

Find the area of each rhombus.

3. $d_1 = 35$ m; $d_2 = 12$ m

$A =$ _____ m^2

4. $d_1 = 9.5$ in.; $d_2 = 14$ in.

$A =$ _____ in^2

5. $d_1 = 10$ m; $d_2 = 18$ m

$A =$ _____ m^2

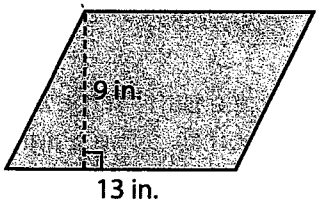
6. $d_1 = 8\frac{1}{4}$ ft; $d_2 = 40$ ft

$A =$ _____ ft^2

Guided Practice

HW # 51 1-14

1. Find the area of the parallelogram. (Explore Activity)

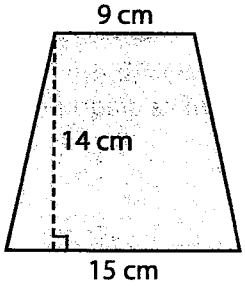


$A = bh$

$= (\_\_\_\_\_)(\_\_\_\_\_)$

$=$ _____ in^2

2. Find the area of the trapezoid. (Example 1)

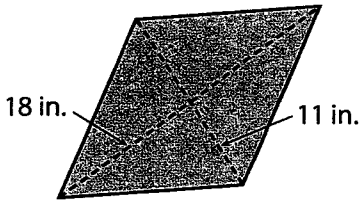


$A = \frac{1}{2}h(b_1 + b_2)$

$= \frac{1}{2}(\square)(\square + \square)$

$=$ _____ cm^2

3. Find the area of the rhombus. (Example 2)



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

$= \frac{1}{2}(\square)(\square)$

$=$ _____ in^2

ESSENTIAL QUESTION

4. How can you find the areas of parallelograms, rhombuses, and trapezoids?

_____

_____

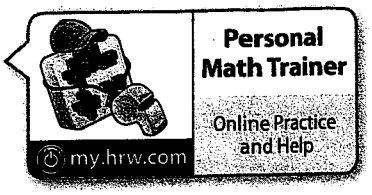
_____

_____

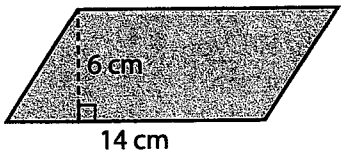
Name _____ Class _____ Date _____

13.1 Independent Practice

CA CC 6.G.1



5. Find the area of the parallelogram.

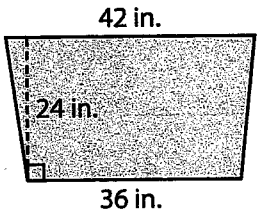


_____

6. What is the area of a parallelogram that has a base of $12\frac{3}{4}$ in. and a height of $2\frac{1}{2}$ in.?

_____

7. Find the area of the trapezoid.

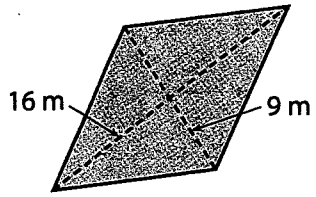


_____

8. The bases of a trapezoid are 11 meters and 14 meters. Its height is 10 meters. What is the area of the trapezoid?

_____

9. Find the area of the rhombus.



_____

10. The diagonals of a rhombus are 21 m and 32 m. What is the area of the rhombus?

_____

11. The seat of a bench is in the shape of a trapezoid with bases of 6 feet and 5 feet and a height of 1.5 feet. What is the area of the seat?

_____

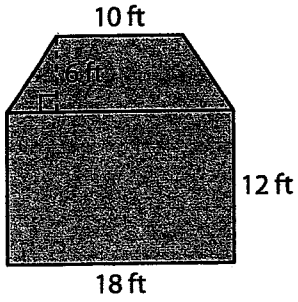
12. A kite in the shape of a rhombus has diagonals that are 25 inches long and 15 inches long. What is the area of the kite?

_____

13. A window in the shape of a parallelogram has a base of 36 inches and a height of 45 inches. What is the area of the window?

_____

14. **Communicate Mathematical Ideas** Find the area of the figure. Explain how you found your answer.



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