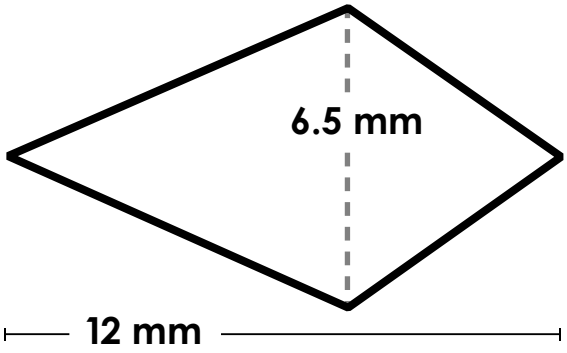
## 1. Area of Kites and Rhombuses

Calculate the area of the kite.

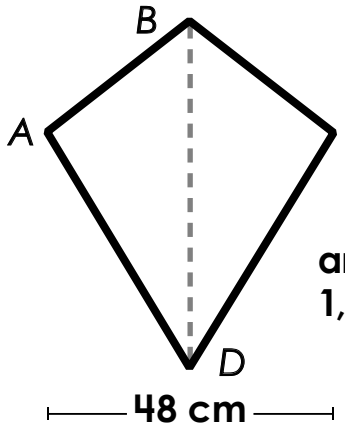



## 2. Area of Kites and Rhombuses

**Find the area of a rhombus with one diagonal measuring 28.8 m and another diagonal measuring 15.2 m.**



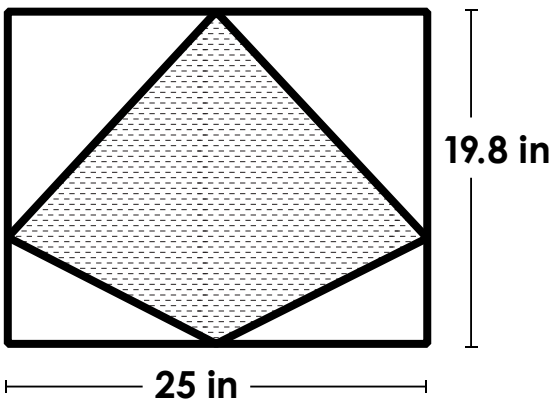
Calculate the length of diagonal $\overline{BD}$.




**area = 1,394.4 cm²**

**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

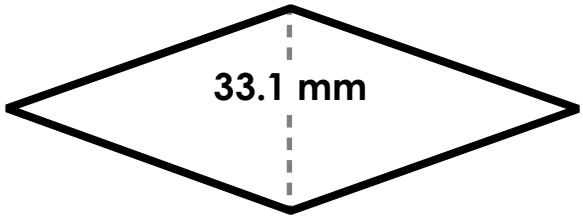
Calculate the area of the shaded kite.




**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

## 5. Area of Kites and Rhombuses

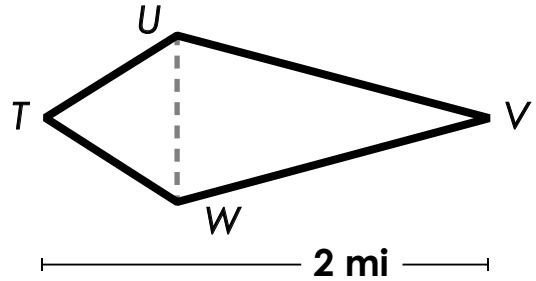
Calculate the area of the rhombus.




## 6. Area of Kites and Rhombuses

**Find the length of the second diagonal for a rhombus with one diagonal measuring 43 cm and an area of 924.5 cm².**

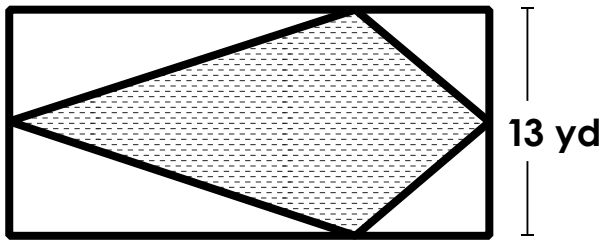

Calculate the length of diagonal $\overline{UW}$.




**area = $\frac{3}{4}$ mi²**

**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

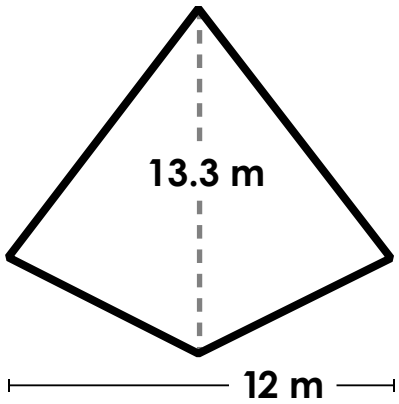
Calculate the area of the shaded kite.




**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

## 9. Area of Kites and Rhombuses

Calculate the area of the kite.

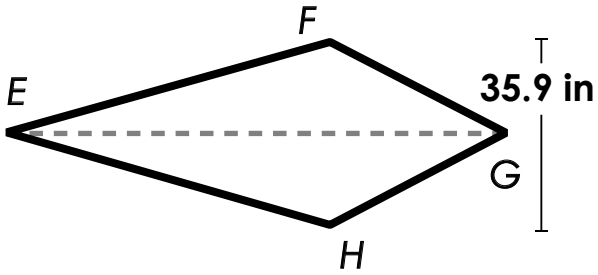



## 10. Area of Kites and Rhombuses

**Find the area of a rhombus with one diagonal measuring 20 cm and another diagonal measuring 6.5 cm.**



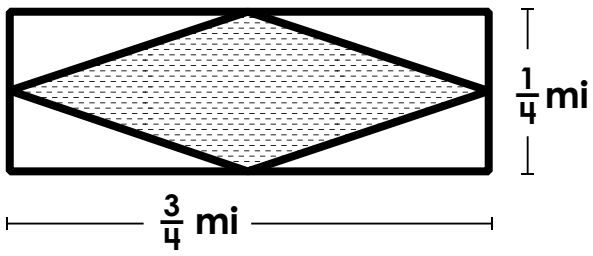

Calculate the length of diagonal $\overline{EG}$.




**area = 1,759.1 in²**

**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

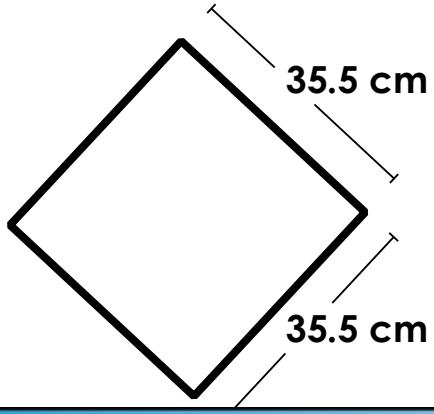
Calculate the area of the shaded rhombus.




**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

## 13. Area of Kites and Rhombuses

Calculate the area of the rhombus.

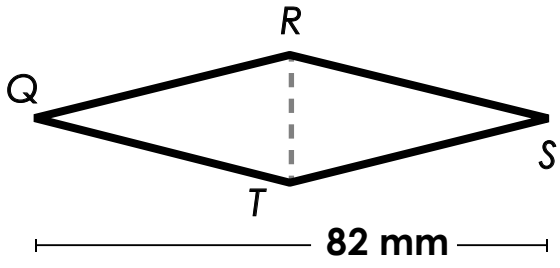



## 14. Area of Kites and Rhombuses

**Find the length of the second diagonal for a kite with one diagonal measuring 7 ft and an area of $64\frac{3}{4}$ ft².**



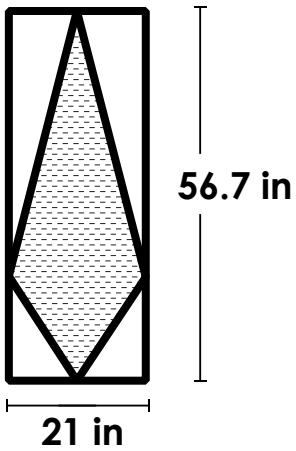
Calculate the length of diagonal $\overline{RT}$.




**area = 836.4 mm²**

**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

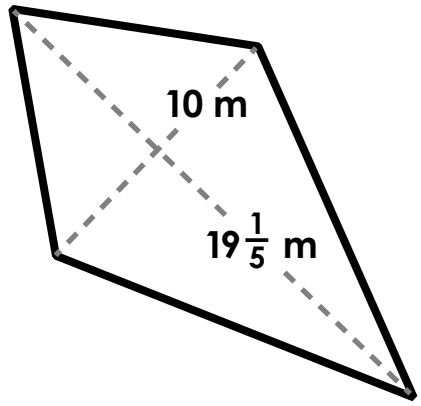
Calculate the area of the shaded kite.




**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

## 17. Area of Kites and Rhombuses

Calculate the area of the kite.

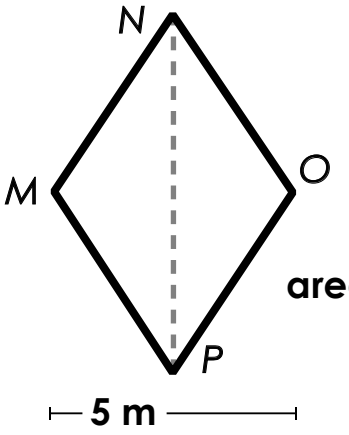



## 18. Area of Kites and Rhombuses

**Find the area of a kite with one diagonal measuring 75.3 yd and another diagonal measuring 45.6 yd.**



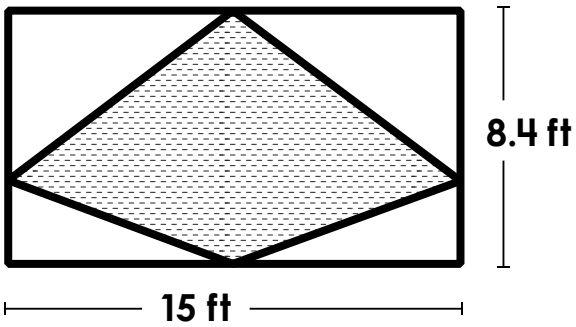
Calculate the length of diagonal $\overline{NP}$.




**area = 18.75 m²**

**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

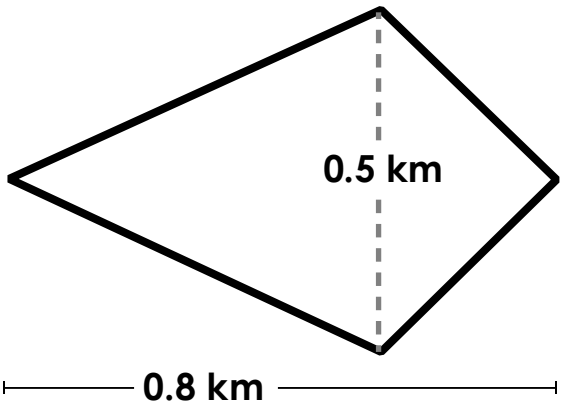
Calculate the area of the shaded kite.



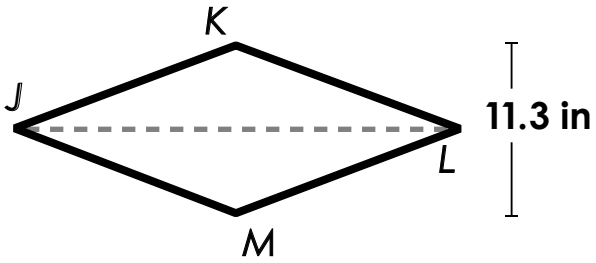

**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

## 21. Area of Kites and Rhombuses

Calculate the area of the kite.




Calculate the length of diagonal $\overline{JL}$.



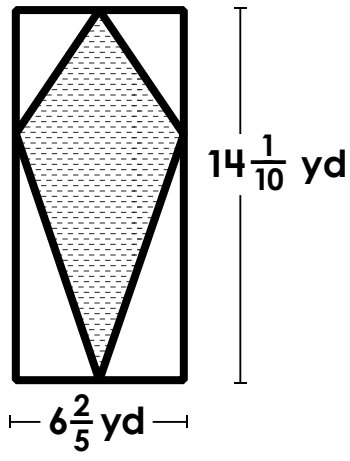

**area = 169.5 in²**

**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

## 22. Area of Kites and Rhombuses

**Find the length of the second diagonal for a rhombus with one diagonal measuring 72.6 cm and an area of 878.46 cm².**

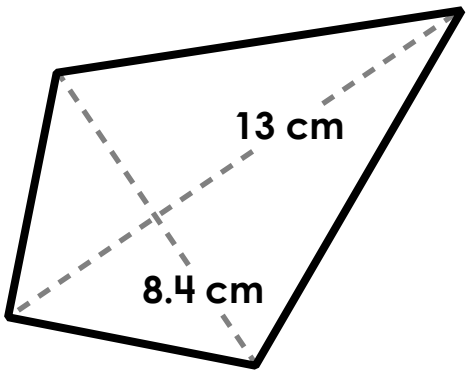

Calculate the area of the shaded kite.



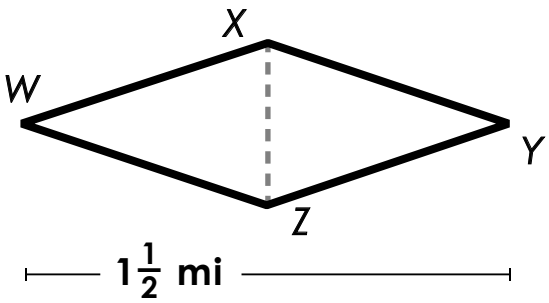

**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

## 25. Area of Kites and Rhombuses

Calculate the area of the kite.




Calculate the length of diagonal $\overline{XZ}$.



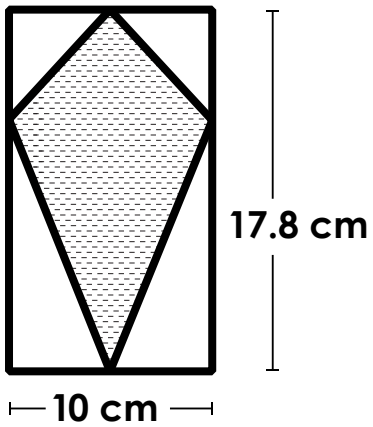

**area =** $\frac{3}{8}$ **mi²**

**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

## 26. Area of Kites and Rhombuses

**Find the area of a kite with one diagonal measuring 17.6 m and another diagonal measuring 5 m.**


Calculate the area of the shaded kite.




**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

## 29. Area of Kites and Rhombuses

Calculate the area of the kite.

**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

## 30. Area of Kites and Rhombuses

**Find the length of the second diagonal**

**Formula:** $A = \frac{1}{2} \times d_1 \times d_2$

Name: _____

# Task Cards: Area of Kites and Rhombuses

**1.** area = _____

**2.** area = _____

**16.** area = _____

**17.** area = _____


**13.** area = _____

**14.** $d_2$ = _____

**15.** $\overline{RT}$ = _____

**28.** area = _____

**29.** area = _____

**30.** $d_2$ = _____

# ANSWER KEY

## Task Cards: Area of Kites and Rhombuses

**1.** area = 39 mm²

**2.** area = 218.88 m²

**16.** area = 595.35 in²

**17.** area = 96 m²


**13.** area = 630.125 cm²

**14.** $d_2$ = 18.5 ft or $18\frac{1}{2}$ ft

**15.** $\overline{RT}$ = 20.4 mm

**28.** area = 89 cm²

**29.** area = 781.2 ft²

**30.** $d_2$ = 15.5 ft

TL