

Name : _____

Area of a Rhombus

T2S2

A) Find the area of each rhombus for the given measurements.

1) diagonal 1 = $\frac{14}{3}$ in, diagonal 2 = $10\frac{1}{2}$ in

2) diagonal 1 = 25 ft, diagonal 2 = $\frac{8}{5}$ ft

Area = _____

Area = _____

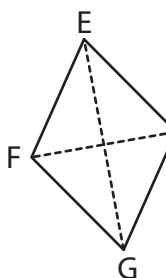
3) diagonal 1 = $10\frac{4}{5}$ yd, diagonal 2 = $\frac{5}{4}$ yd

4) diagonal 1 = $4\frac{5}{9}$ in, diagonal 2 = $5\frac{1}{7}$ in

Area = _____

B) Find the area of each rhombus.

5)



FH = $\frac{3}{7}$ ft ; EG = _____

Area = _____

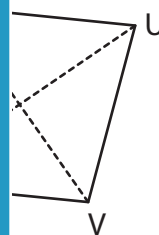
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_____ = $2\frac{4}{5}$ yd

7) What is the area of the rhombus?

Diagonals are 12 inches and $\frac{16}{9}$ inches?

8) The diagonals of a rhombus measure 30 feet and $2\frac{2}{3}$ feet. Find the area.

Area of a Rhombus

A) Find the area of each rhombus for the given measurements.

1) diagonal 1 = $\frac{14}{3}$ in, diagonal 2 = $10\frac{1}{2}$ in

2) diagonal 1 = 25 ft, diagonal 2 = $\frac{8}{5}$ ft

Area = $\frac{49}{2}$ or $24\frac{1}{2}$ in²

Area = 20 ft²

3) diagonal 1 = $10\frac{4}{5}$ yd, diagonal 2 = $\frac{5}{4}$ yd

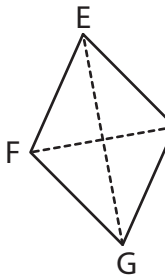
4) diagonal 1 = $4\frac{5}{9}$ in, diagonal 2 = $5\frac{1}{7}$ in

Area = $\frac{27}{4}$ or $6\frac{3}{4}$

Area = $1\frac{5}{7}$ in²

B) Find the area of each rhombus.

5)



FH = $\frac{3}{7}$ ft ; EG =

Area = $\frac{1}{7}$

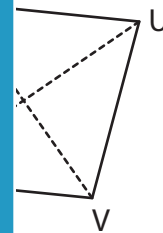
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= $2\frac{4}{5}$ yd

Area = $\frac{17}{60}$ yd²

7) What is the area of the rhombus?

The diagonals are 10 inches and $\frac{16}{9}$ inches?

Area = $\frac{50}{9}$ or $5\frac{5}{9}$ square inches

8) The diagonals of a rhombus measure 30 feet and $2\frac{2}{3}$ feet. Find the area.

Area = 40 square feet