

Name : _____

Area of a Rhombus

T2S4

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

1) diagonal 1 = $2\frac{2}{9}$ in, diagonal 2 = 18 in

Area = _____

2) diagonal 1 = $\frac{1}{2}$ ft, diagonal 2 = $\frac{8}{9}$ ft

Area = _____

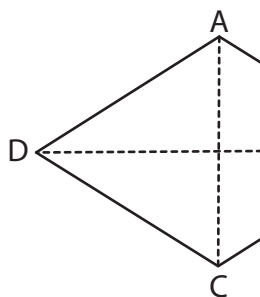
3) diagonal 1 = $\frac{2}{3}$ yd, diagonal 2 = $6\frac{3}{8}$ yd

Area = _____

4) diagonal 1 = $\frac{14}{5}$ in, diagonal 2 = $\frac{4}{7}$ in

B) Find the area of each rhombus.

5)



$BD = \frac{19}{2}$ ft ; $AC =$ _____

Area = _____

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$= 1\frac{1}{4}$ in

7) The lengths of the diagonals are _____ and _____.

Find the area.

8) Find the area of the rhombus whose diagonals measure $2\frac{1}{6}$ feet and $\frac{9}{2}$ feet.

Area of a Rhombus

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

1) diagonal 1 = $2\frac{2}{9}$ in, diagonal 2 = 18 in

2) diagonal 1 = $\frac{1}{2}$ ft, diagonal 2 = $\frac{8}{9}$ ft

Area = 20 in²

Area = $\frac{2}{9}$ ft²

3) diagonal 1 = $\frac{2}{3}$ yd, diagonal 2 = $6\frac{3}{8}$ yd

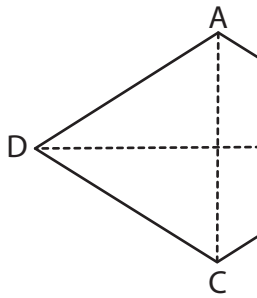
4) diagonal 1 = $\frac{14}{5}$ in, diagonal 2 = $\frac{4}{7}$ in

Area = $\frac{17}{8}$ or 2 $\frac{1}{8}$ in²

Area = $\frac{4}{7}$ in²

B) Find the area of each rhombus.

5)



BD = $\frac{19}{2}$ ft ; AC = 19 ft

Area = 38 square feet



WY = $1\frac{1}{4}$ in ; XZ = 1 in

Area = $\frac{3}{8}$ in²

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7) The lengths of the diagonals are 4 yards and 2 yards. Find the area.

Find the area.

2 square yards

8) Find the area of the rhombus whose diagonals measure $2\frac{1}{6}$ feet and $\frac{9}{2}$ feet.

$\frac{39}{8}$ or $4\frac{7}{8}$ square feet