

Name : _____

Area of a Kite

T2S1

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

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

Area = _____

2) diagonal 1 = $9\frac{2}{7}$ in, diagonal 2 = $\frac{14}{5}$ in

Area = _____

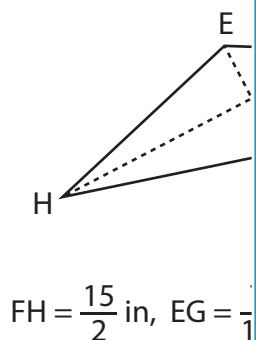
3) diagonal 1 = $\frac{7}{2}$ yd, diagonal 2 = $17\frac{1}{3}$ yd

Area = _____

4) diagonal 1 = $1\frac{5}{9}$ in, diagonal 2 = $4\frac{1}{8}$ in

B) Find the area of each kite.

5)



FH = $\frac{15}{2}$ in, EG = 7 in

Area = _____

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7) Find the area of the kite.

8) The lengths of the diagonals of a kite are $\frac{10}{7}$ feet and $2\frac{3}{5}$ feet. What is the area of the kite?

Name : _____

Answer key

Area of a Kite

T2S1

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

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

Area = $\frac{2}{3}$ ft²

2) diagonal 1 = $9\frac{2}{7}$ in, diagonal 2 = $\frac{14}{5}$ in

Area = 13 in²

3) diagonal 1 = $\frac{7}{2}$ yd, diagonal 2 = $17\frac{1}{3}$ yd

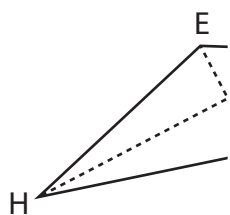
Area = $\frac{91}{3}$ or $30\frac{1}{3}$ yd²

4) diagonal 1 = $1\frac{5}{9}$ in, diagonal 2 = $4\frac{1}{8}$ in

Area = $\frac{5}{24}$ in²

B) Find the area of each kite.

5)



FH = $\frac{15}{2}$ in, EG = 7

Area = $\frac{35}{16}$ or $2\frac{1}{4}$ in²

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7) Find the area of the kite.

$\frac{13}{4}$ or $3\frac{1}{4}$ square yards

8) The lengths of the diagonals of a kite are $\frac{10}{7}$ feet and $2\frac{3}{5}$ feet. What is the area of the kite?

$\frac{13}{7}$ or $1\frac{6}{7}$ square feet