

Name : _____

Area of a Kite

T2S3

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

1) diagonal 1 = $1\frac{7}{8}$ yd, diagonal 2 = 32 yd

Area = _____

2) diagonal 1 = $\frac{5}{3}$ yd, diagonal 2 = $6\frac{3}{4}$ yd

Area = _____

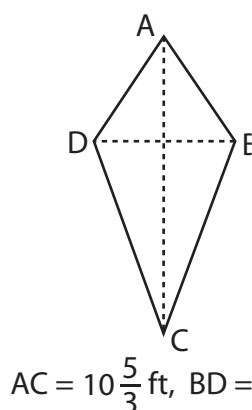
3) diagonal 1 = $\frac{15}{2}$ in, diagonal 2 = $\frac{18}{5}$ in

Area = _____

4) diagonal 1 = $\frac{2}{5}$ ft, diagonal 2 = $\frac{20}{3}$ ft

B) Find the area of each kite.

5)



Area = _____

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7) If the diagonals of a kite are 12 yd and 8 yd, find the area of the kite.

8) Find the area of the kite whose diagonals measure 12 yards and $\frac{7}{2}$ yards.

Area of a Kite

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

1) diagonal 1 = $1\frac{7}{8}$ yd, diagonal 2 = 32 yd

Area = 30 yd²

2) diagonal 1 = $\frac{5}{3}$ yd, diagonal 2 = $6\frac{3}{4}$ yd

Area = $\frac{45}{8}$ or $5\frac{5}{8}$ yd²

3) diagonal 1 = $\frac{15}{2}$ in, diagonal 2 = $\frac{18}{5}$ in

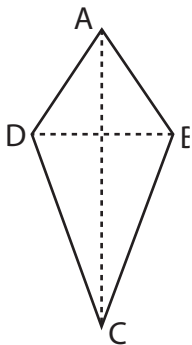
Area = $\frac{27}{2}$ or 13.5

4) diagonal 1 = $\frac{2}{5}$ ft, diagonal 2 = $\frac{20}{3}$ ft

$\frac{1}{3}$ ft²

B) Find the area of each kite.

5)



AC = $10\frac{5}{3}$ ft, BD = 8 ft

Area = $\frac{35}{4}$ or 8.75

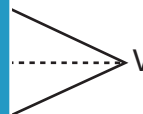
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$\frac{1}{4}$ yd

7) If the diagonals of a kite are 10 inches and 8 inches, find the area of the kite.

$\frac{5}{4}$ or $1\frac{1}{4}$ square inches

8) Find the area of the kite whose diagonals measure 12 yards and $\frac{7}{2}$ yards.

21 square yards