

Name : _____

Area of a Kite

Sheet 4

A) Find the length of the unknown diagonal of each kite for the given measurements.

1) Area = 8.37 ft^2 , diagonal 1 = 6.2 ft

diagonal 2 = _____

2) Area = 994.7 in^2 , diagonal 2 = 40.6 in

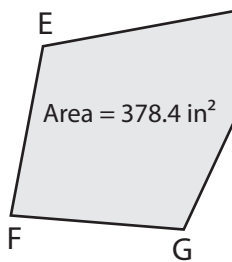
diagonal 1 = _____

3) Area = $1,795.2 \text{ yd}^2$, diagonal 2 = 68 yd

diagonal 1 = _____

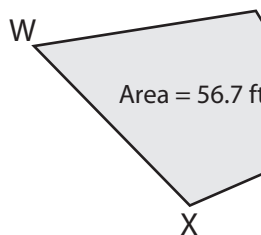
4) Area = 70.81 in^2 , diagonal 1 = 7.3 in

5)



EG = 21.5 in. Find FH.

7)



XZ = 8.4 ft. Find WY.

QS = 36.8 yd. Find PR.

9) The area of a kite is 128.38 square yards. If one of the diagonals measures 13.1 yards, determine the length of the other diagonal.

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

Area of a Kite

A) Find the length of the unknown diagonal of each kite for the given measurements.

1) Area = 8.37 ft^2 , diagonal 1 = 6.2 ft

diagonal 2 = **2.7 ft**

2) Area = 994.7 in^2 , diagonal 2 = 40.6 in

diagonal 1 = **49 in**

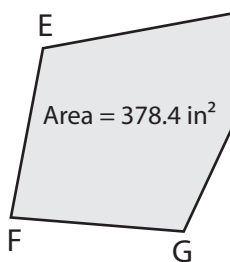
3) Area = $1,795.2 \text{ yd}^2$, diagonal 2 = 68 yd

diagonal 1 = _____

4) Area = 70.81 in^2 , diagonal 1 = 7.3 in

19.4 in

5)



EG = 21.5 in . Find FH

FH = 35.2 in

PREVIEW

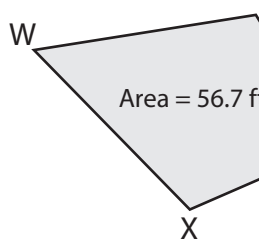
Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

7)



XZ = 8.4 ft . Find WY.

WY = 13.5 ft

QS = 36.8 yd . Find PR.

PR = 40 yd

9) The area of a kite is $128.38 \text{ square yards}$. If one of the diagonals measures 13.1 yards , determine the length of the other diagonal.

19.6 yards