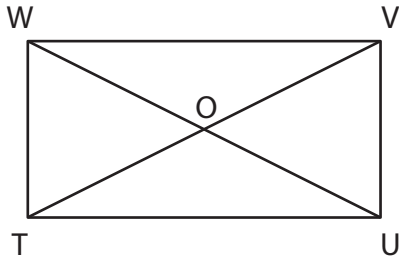


Diagonal of a Rectangle

Solve for x and then find the length of the diagonal.

1)

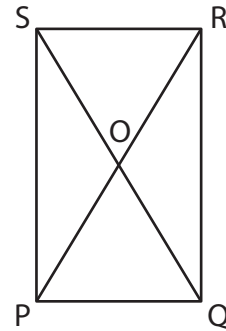


$OV = (32 - 3x)$ ft ; $OW = (5x)$ ft

$x =$ _____

diagonal = _____

2)



$PR = (6x - 50)$ in ; $OP = \left(\frac{x}{2}\right)$ in

$x =$ _____

diagonal = _____

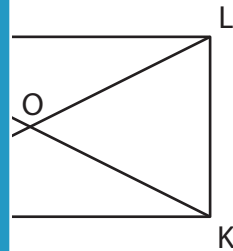
3)



$AC = (-7 + 9x)$ in

$x =$ _____

diagonal = _____

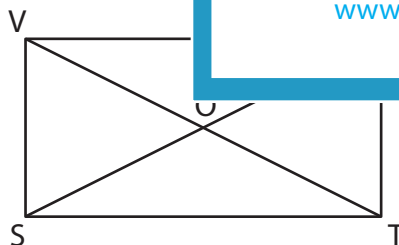


_____ yd ; $JL = (8x)$ yd

$x =$ _____

diagonal = _____

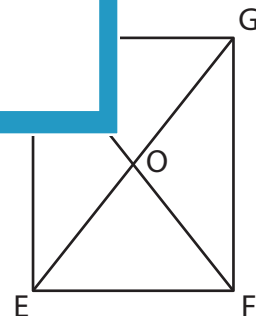
5)



$OS = (29 + x)$ yd ; $OV = (9 + 2x)$ yd

$x =$ _____

diagonal = _____



$OF = (-9x - 24)$ ft ; $OH = (8 - 5x)$ ft

$x =$ _____

diagonal = _____

PREVIEW

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

Members, please log in to download this worksheet.

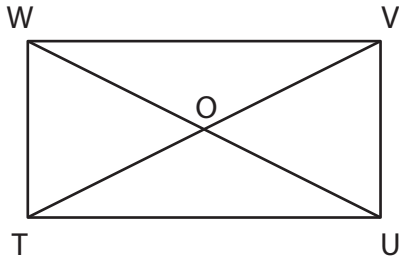
Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

Diagonal of a Rectangle

Solve for x and then find the length of the diagonal.

1)

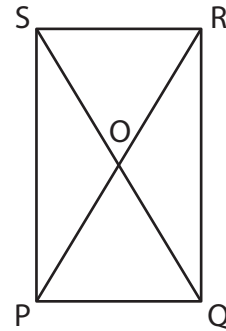


$OV = (32 - 3x)$ ft ; $OW = (5x)$ ft

$x =$ _____

diagonal = _____

2)



$PR = (6x - 50)$ in ; $OP = \left(\frac{x}{2}\right)$ in

$x =$ 10

diagonal = 10 in

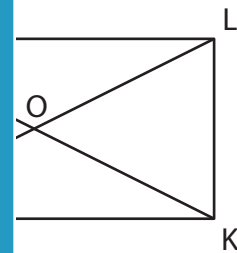
3)



$AC = (-7 + 9x)$ in

$x =$ _____

diagonal = _____



$JL = (8x)$ yd

$x =$ 3

diagonal = 24 yd

PREVIEW

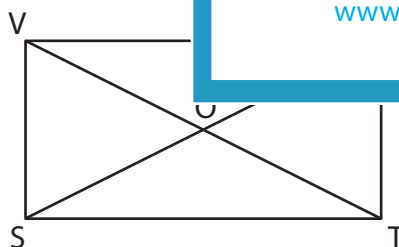
Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

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

www.mathworksheets4kids.com

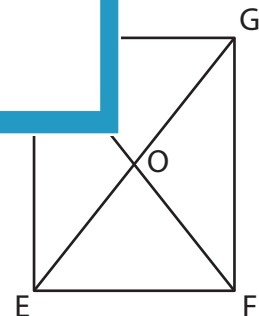
5)



$OS = (29 + x)$ yd ; $OV = (9 + 2x)$ yd

$x =$ 20

diagonal = 98 yd



$OF = (-9x - 24)$ ft ; $OH = (8 - 5x)$ ft

$x =$ -8

diagonal = 96 ft