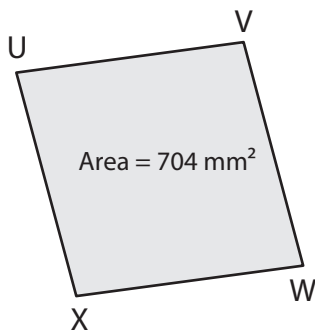


# Rhombus | Missing Diagonal

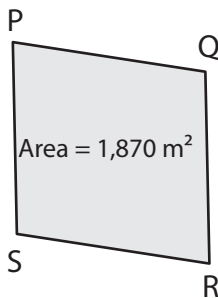
Find the length of the missing diagonal in each rhombus.

1) If  $VX = 32$  mm, find  $UW$ .



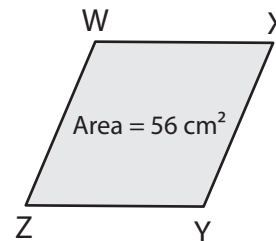
$UW =$  \_\_\_\_\_

2) If  $QS = 55$  m, find  $PR$ .



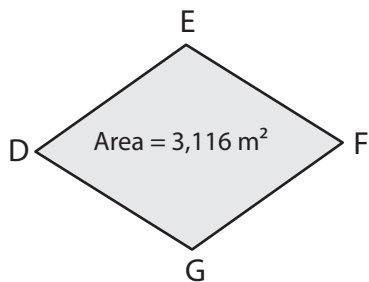
$PR =$  \_\_\_\_\_

3) If  $XZ = 16$  cm, find  $WY$ .



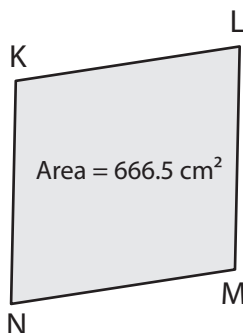
$WY =$  \_\_\_\_\_

4) If  $DF = 82$  m, find  $EG$ .



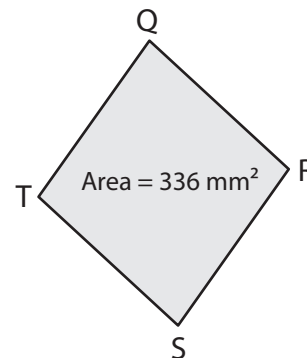
$EG =$  \_\_\_\_\_

5) If  $KM = 31$  cm, find  $LN$ .



$LN =$  \_\_\_\_\_

6) If  $QS = 28$  mm, find  $TR$ .



$TR =$  \_\_\_\_\_

7)  $WXYZ$  is a rhombus with diagonal  $XZ = 8$  cm. Determine the other diagonal  $WY$ , if area of the rhombus is  $40 \text{ cm}^2$ .

\_\_\_\_\_

8) The length of one of the diagonal of a rhombus is  $32$  mm. Find the length of the other diagonal, if the area is  $272 \text{ mm}^2$ .

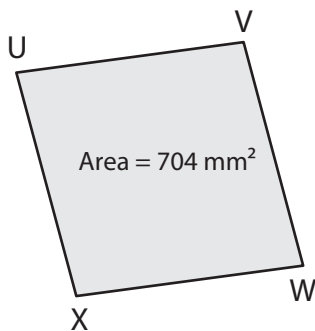
\_\_\_\_\_

# Rhombus | Missing Diagonal

Answer Key

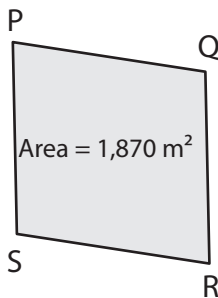
Find the length of the missing diagonal in each rhombus.

1) If  $VX = 32$  mm, find  $UW$ .



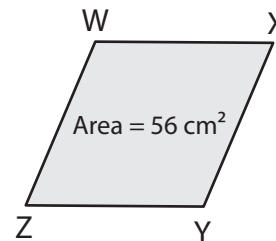
$UW = \underline{\hspace{2cm} \mathbf{44 \text{ mm}} \hspace{2cm}}$

2) If  $QS = 55$  m, find  $PR$ .



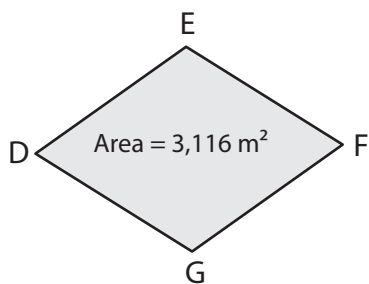
$PR = \underline{\hspace{2cm} \mathbf{68 \text{ m}} \hspace{2cm}}$

3) If  $XZ = 16$  cm, find  $WY$ .



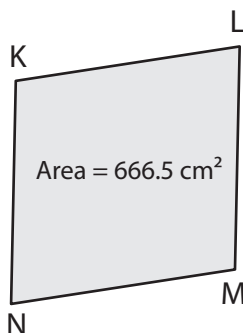
$WY = \underline{\hspace{2cm} \mathbf{7 \text{ cm}} \hspace{2cm}}$

4) If  $DF = 82$  m, find  $EG$ .



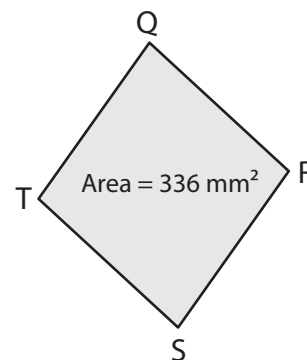
$EG = \underline{\hspace{2cm} \mathbf{76 \text{ m}} \hspace{2cm}}$

5) If  $KM = 31$  cm, find  $LN$ .



$LN = \underline{\hspace{2cm} \mathbf{43 \text{ cm}} \hspace{2cm}}$

6) If  $QS = 28$  mm, find  $TR$ .



$TR = \underline{\hspace{2cm} \mathbf{24 \text{ mm}} \hspace{2cm}}$

7)  $WXYZ$  is a rhombus with diagonal  $XZ = 8$  cm. Determine the other diagonal  $WY$ , if area of the rhombus is  $40 \text{ cm}^2$ .

$\underline{\hspace{2cm} \mathbf{10 \text{ cm}} \hspace{2cm}}$

8) The length of one of the diagonal of a rhombus is 32 mm. Find the length of the other diagonal, if the area is  $272 \text{ mm}^2$ .

$\underline{\hspace{2cm} \mathbf{17 \text{ mm}} \hspace{2cm}}$