Squares - Diagonals

Find the diagonal of each square from the given side length. Round the answer to two decimal places.

1) Side length = 27 cm

Diagonal =

2) Side length = 3.8 m

Diagonal =

3) Side length = 6.1 mm

Diagonal =

4) Side length = 11.5 cm

Diagonal =

5) Side length = 19 m

Diagonal =

6) Side length = 24 mm

Diagonal =

Find the side length and diagonal of each square from the given area. Round the answer to two decimal places.

1) Area = 1.69 mm^2

Side length =

Diagonal =

2) Area = 784 cm^2

Side length =

Diagonal =

3) Area = 40.96 m^2

Side length =

Diagonal =

4) Area = 169 mm^2

Side length =

Diagonal =

Squares - Diagonals

Answer key

Find the diagonal of each square from the given side length. Round the answer to two decimal places.

1) Side length = 27 cm

   Diagonal = **38.18 cm**

2) Side length = 3.8 m

   Diagonal = **5.37 m**

3) Side length = 6.1 mm

   Diagonal = **8.63 mm**

4) Side length = 11.5 cm

   Diagonal = **16.26 cm**

5) Side length = 19 m

   Diagonal = **26.87 m**

6) Side length = 24 mm

   Diagonal = **33.94 mm**

Find the side length and diagonal of each square from the given area. Round the answer to two decimal places.

1) Area = 1.69 mm^2

   Side length = **1.3 mm**

   Diagonal = **1.84 mm**

2) Area = 784 cm^2

   Side length = **28 cm**

   Diagonal = **39.6 cm**

3) Area = 40.96 m^2

   Side length = **6.4 m**

   Diagonal = **9.05 m**

4) Area = 169 mm^2

   Side length = **13 mm**

   Diagonal = **18.39 mm**