Squares - Diagonals

Name _____

Score _____

AS:26

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

1) Side length = 6.6 mm

Diagonal =

2) Side length = 23 cm

Diagonal =

3) Side length = 2 m

Diagonal =

4) Side length = 8.3 mm

Diagonal =

5) Side length = 26 cm

Diagonal =

6) Side length = 17 m

Diagonal =

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

1) Area = 9 m^2

Side length =

Diagonal =

2) Area = 2.89 mm^2

Side length =

Diagonal =

3) Area = 96.04 cm^2

Side length =

Diagonal =

4) Area = 196 m^2

Side length =

Diagonal =

Squares - Diagonals

Name _____

Score _____

Answer key

AS:26

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

1) Side length = 6.6 mm

Diagonal = **9.33 mm**

2) Side length = 23 cm

Diagonal = **32.53 cm**

3) Side length = 2 m

Diagonal = **2.83 m**

4) Side length = 8.3 mm

Diagonal = **11.74 mm**

5) Side length = 26 cm

Diagonal = **36.77 cm**

6) Side length = 17 m

Diagonal = **24.04 m**

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

1) Area = 9 m^2

Side length = **3 m**

Diagonal = **4.24 m**

2) Area = 2.89 mm^2

Side length = **1.7 mm**

Diagonal = **2.4 mm**

3) Area = 96.04 cm^2

Side length = **9.8 cm**

Diagonal = **13.86 cm**

4) Area = 196 m^2

Side length = **14 m**

Diagonal = **19.8 m**