Perimeter of Squares

Find the perimeter of the square for the given diagonal. Round the answer to the nearest tenth place.

1) Diagonal = 10 yd

Perimeter =

2) Diagonal = 4 ft

Perimeter =

3) Diagonal = $6\sqrt{2}$ ft

Perimeter =

4) Diagonal = 12.5 in

Perimeter =

Find the diagonal of the square from the given perimeter. Round the answer to nearest tenth place.

1) Perimeter = $36\sqrt{2}$ in

Diagonal =

2) Perimeter = 70 yd

Diagonal =

3) Perimeter = 24 yd

Diagonal =

4) Perimeter = $15\sqrt{2}$ ft

Diagonal =

Complete the table. Round the answer to the nearest tenth place.

Diagonal of squares	8 ft		5.5 ft		13.2 in
Perimeter of squares		31.1 in		19.8 yd	

Perimeter of Squares

Answer key

Find the perimeter of the square for the given diagonal. Round the answer to the nearest tenth place.

1) Diagonal = 10 yd

Perimeter =   **28.3 yd**

2) Diagonal = 4 ft

Perimeter =   **11.3 ft**

3) Diagonal = $6\sqrt{2}$ ft

Perimeter =   **24 ft**

4) Diagonal = 12.5 in

Perimeter =   **35.4 in**

Find the diagonal of the square from the given perimeter. Round the answer to nearest tenth place.

1) Perimeter = $36\sqrt{2}$ in

Diagonal =   **18 in**

2) Perimeter = 70 yd

Diagonal =   **24.7 yd**

3) Perimeter = 24 yd

Diagonal =   **8.5 yd**

4) Perimeter = $15\sqrt{2}$ ft

Diagonal =   **7.5 ft**

Complete the table. Round the answer to the nearest tenth place.

Diagonal of squares	8 ft	**11 in**	5.5 ft	**7 yd**	13.2 in
Perimeter of squares	**22.6 ft**	31.1 in	**15.6 ft**	19.8 yd	**37.3 in**