



# Perimeter of Squares

Name \_\_\_\_\_

Score \_\_\_\_\_

PS:31

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

1) Diagonal = 2.3 mm

Perimeter =

2) Diagonal = 11 cm

Perimeter =

3) Diagonal = 4 m

Perimeter =

4) Diagonal =  $8\sqrt{2}$  mm

Perimeter =

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

1) Perimeter =  $25\sqrt{2}$  m

Diagonal =

2) Perimeter = 120 mm

Diagonal =

3) Perimeter = 44 cm

Diagonal =

4) Perimeter = 65 m

Diagonal =

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

|                      |         |         |       |       |      |
|----------------------|---------|---------|-------|-------|------|
| Diagonal of squares  |         |         | 9.7 m | 23 mm |      |
| Perimeter of squares | 14.4 mm | 33.9 cm |       |       | 51 m |



# Perimeter of Squares

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

PS:31

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

1) Diagonal = 2.3 mm

Perimeter = **6.5 mm**

2) Diagonal = 11 cm

Perimeter = **31.1 cm**

3) Diagonal = 4 m

Perimeter = **11.3 m**

4) Diagonal =  $8\sqrt{2}$  mm

Perimeter = **32 mm**

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

1) Perimeter =  $25\sqrt{2}$  m

Diagonal = **12.5 m**

2) Perimeter = 120 mm

Diagonal = **42.4 mm**

3) Perimeter = 44 cm

Diagonal = **15.6 cm**

4) Perimeter = 65 m

Diagonal = **23 m**

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

|                      |               |              |               |                |             |
|----------------------|---------------|--------------|---------------|----------------|-------------|
| Diagonal of squares  | <b>5.1 mm</b> | <b>12 cm</b> | 9.7 m         | 23 mm          | <b>18 m</b> |
| Perimeter of squares | 14.4 mm       | 33.9 cm      | <b>27.4 m</b> | <b>65.1 mm</b> | 51 m        |