

Name:

Class:

Power Up! Test Practice

30. Mrs. Eiman traveled about $8 \times 8 \times 8 \times 8$ kilometers from Ohio to Hawaii.

Select values to complete the model below to show the repeated multiplication as a power.

2	4
6	8

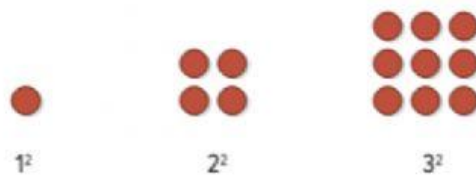
The base is .

The exponent is .

The repeated multiplication can be expressed as the power: .

About how many kilometers did Mrs. Eiman travel? .

31. Asma used counters to make the pattern shown below.



She continues the pattern for several more figures. Which of the following accurately describe how many counters she uses in different figures?

Select all that apply.

☐ There are 25 counters in the 5th figure.

☐ There are 81 counters in the 9th figure.

☐ There are 42 counters in the 6th figure.

☐ There are 121 counters in the 11th figure.