Name: _____

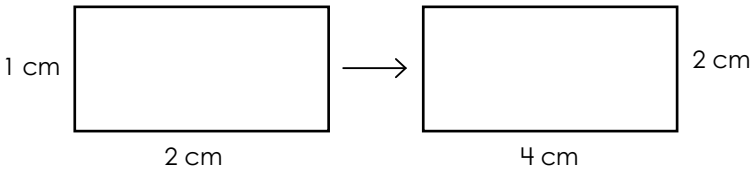
Scale vs. Scale Factor

Scale is the ratio between the dimensions of similar figures that is used to describe their relative size.

The **scale factor** is the value the dimensions of the original figure are multiplied by to achieve the new dimensions. It tells how many times smaller or larger a new figure is compared to the original.

Example:

Figure A **Figure B**



Write the corresponding dimensions in ratio form to find that the **scale** between the figures is **1:2**.

Dimensions in the original figure are multiplied by 2 to create the new figure. The **scale factor** is **2**

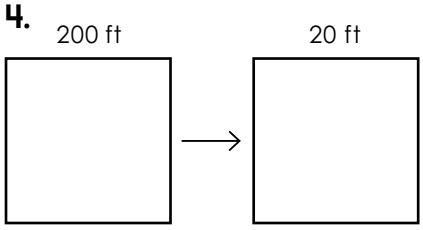
scale: _____

scale factor: _____

scale: _____

scale factor: _____

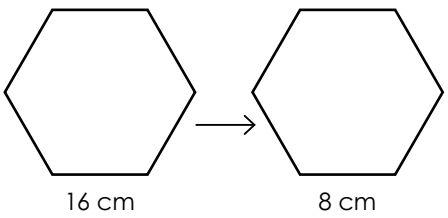
4.



scale: _____

scale factor: _____

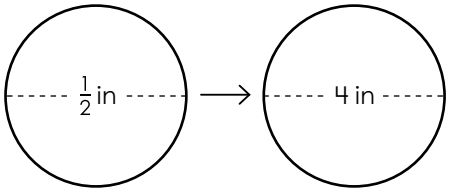
5.



scale: _____

scale factor: _____

6.



scale: _____

scale factor: _____

ANSWER KEY

Scale vs. Scale Factor

Scale is the ratio between the dimensions of similar figures that is used to describe their relative size.

The **scale factor** is the value the dimensions of the original figure are multiplied by to achieve the new dimensions. It tells how many times smaller or larger a new figure is compared to the original.

Example:

Figure A **Figure B**

Write the corresponding dimensions in ratio form to find that the **scale** between the figures is **1:2**.

Dimensions in the original figure are

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