

Name: \_\_\_\_\_

## SCALING DIAGRAMS TO REAL-LIFE



- Look at the diagrams on the **next page**.
- Use the given **scale** for each question to calculate the actual measurements.
- Write your answers in the spaces provided.

\*Answers may vary depending on print out.\*

### 1. Tree (1cm = 3m):

- a) What is the height of the tree on the diagram?  
b) What is the actual height of the tree?  $7.9 \times 3$

a) 7.9 cm  
b) 23.7 m

### 2. Train Carriage (1cm = 2m):

- a) What is the width of the train carriage on the diagram?  
b) What is the actual width of the train carriage?  $8.2 \times 2$

a) 8.2 cm  
b) 16.4 m

### 3. Bridge (1cm = 10m):

- a) What is the width of the bridge on the diagram?  
b) What is the actual width of the bridge?  $8.2 \times 10$

a) 8.2 cm  
b) 82 m

### 4. Big Ben (1cm = 8m):

- a) What is the height of Big Ben on the diagram?  
b) What is the actual height of Big Ben?  $12.7 \times 8$

a) 12.7 cm  
b) 101.6 m

### 5. Lighthouse (1cm = 4m):

- a) What is the height of the lighthouse on the diagram?  
b) What is the width of the lighthouse on the diagram?  
c) What is the actual height of the lighthouse?  $13.6 \times 4$   
d) What is the actual width of the lighthouse?  $4.1 \times 4$

a) 13.6 cm  
b) 4.1 cm  
c) 54.4 m  
d) 16.4 m

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