Practice A

Scale Drawings and Scale Models

Identify the scale factor. Choose the best answer.

1. Person: 72 inches
Action figure: 6 inches

A $\frac{1}{7}$ **C** $\frac{1}{12}$

B $\frac{1}{10}$ **D** $\frac{1}{15}$

2. Dog: 24 inches
Stuffed animal: 8 inches

F $\frac{1}{3}$ **H** $\frac{1}{5}$

G $\frac{1}{4}$ **J** $\frac{1}{6}$

3. Fish: 16 inches
Fishing lure: 2 inches

A $\frac{1}{6}$ **C** $\frac{1}{12}$

B $\frac{1}{8}$ **D** $\frac{1}{14}$

4. House: 30 feet
Dollhouse: 3 feet

F $\frac{1}{3}$ **H** $\frac{1}{27}$

G $\frac{1}{10}$ **J** $\frac{1}{33}$

Identify the scale factor.

5.

	Guitar	Ukulele
Length (in.)	36	18

6.

	Car	Toy Car
Length (ft)	12	3

7.

	Flute	Piccolo
Length (in.)	30	10

8.

	Poodle	Toy Poodle
Height (in.)	56	8

9. On a road map of New York, the distance from New York City to Albany is 3 inches. What is the actual distance between the cities if the map scale is 1 inch = 50 miles?

_____

10. On a scale drawing, a bookshelf is 8 inches tall. The scale factor is $\frac{1}{8}$. What is the height of the bookshelf?

_____

Name _____ Date _____ Class _____

Practice B
Scale Drawings and Scale Models

Identify the scale factor.

1.

	Alligator	Toy Alligator
Length (in.)	175	7

_____

2.

	Airplane	Model
Length (ft)	24	3

_____

3.

	Car	Toy Car
Length (ft)	13.5	1.5

_____

4.

	Person	Action Figure
Height (in.)	66	6

_____

5.

	Boat	Model
Length (in.)	128	8

_____

6.

	Fish	Fishing Lure
Length (in.)	18	2

_____

7.

	Tiger	Stuffed Animal
Length (in.)	70	14

_____

8.

	House	Dollhouse
Height (ft)	39.2	2.8

_____

9. On a scale drawing, a school is 1.6 feet tall. The scale
factor is $\frac{1}{22}$. Find the height of the school.

_____

10. On a road map of Pennsylvania, the distance from
Philadelphia to Washington, D.C., is 6.8 centimeters.
What is the actual distance between the cities if the
map scale is 2 centimeters = 40 miles?

_____

11. On a scale drawing, a bicycle is $6\frac{4}{5}$ inches tall. The scale
factor is $\frac{1}{6}$. Find the height of the bicycle.

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