Name	Date	Class

LESSON Practice A

5-9 Scale Drawings and Scale Models

Identify the scale factor. Choose the best answer.

1. Person: 72 i Action figure		2. Dog: 24 inches Stuffed animal:	8 inches
A $\frac{1}{7}$	c 1/12	F 1/3	H 1/5
B $\frac{1}{10}$	D 1/15	$G\frac{1}{4}$	$J \frac{1}{6}$
3. Fish: 16 incl Fishing lure:		4. House: 30 feet Dollhouse: 3 fee	ət
$A\frac{1}{6}$	c 1/12	F 1/3	$H\frac{1}{27}$
B ¹ / ₈	D 1/14	G $\frac{1}{10}$	J $\frac{1}{33}$

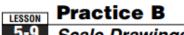
Identify the scale factor.

5.		Guitar	Ukulele	6.		Car	Toy Car
	Length (in.)	36	18		Length (ft)	12	3

7.		Flute	Piccolo	8.			Тоу
	Length (in.)	30	10			Poodle	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?

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5-9 Scale Drawings and Scale Models

Identify the scale factor.

1.			Тоу	2.		Airplane	Model
		Alligator	Alligator		Length (ft)	24	3
	Length (in.)	175	7				

3.		Car	Toy Car
	Length (ft)	13.5	1.5

4.			Action
		Person	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 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.