Numerical Proportions

Math

Name_____ Class_____ Date_____

1 A recipe for soup calls for **4 cups** of chicken broth. The recipe makes **6 servings**. If **26 people** need to be served, **how many cups** of chicken broth should be used?

A 39 cups   C $16\frac{1}{2}$

B $17\frac{1}{3}$ D 1 cup

2 A tennis camp uses **2 instructors** for every **16 players**. If **64 players** are at the camp, **how many instructors** are needed?

A 4
B 8
C 16
D 32

3 Ian is on a trip. He drives an average of **58 mph**. He has already driven **435 miles**.

How long has he been driving?

4 Gina made **$287.55** in one week working at her job. She earns **$8.10** an hour. How many hours did she work?

A 35.2 hours

5

7

length?

A 151.2 cm   C 420 cm
B 375 cm   D 450 cm

the real billboard is 252 cm, what is its

A 157.5 cm
B 280 cm
C 1,260 cm
D 1,680 cm

9 An airplane flies over a neighborhood and takes pictures of houses. On the ground, a house measures **52 ft x 28 ft**, ℓ x w. If in the picture taken by the plane the length of the house is **6 in.**, what is the **width** to the nearest hundredth of an inch?

A 2.57 in.   C 5.57 in.
B 3.23 in.   D 6.23 in.

10 Nick painted a room that was **672 ft²** with **2 gallons** of paint. He needs to paint a house that is **4,032 ft²**. How much paint will he use?

A 8 gallons
B 8.75 gallons
C 10 gallons
D 12 gallons

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the rear billboard is 252 cm, what is its length?

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