

## **Numerical Proportions**



Name Class Date



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?

C  $16\frac{1}{2}$ 

- A 39 cups
- **B**  $17\frac{1}{3}$  **D** 1 cup
- lan is on a trip. He drives an average of 58 mph. He has already driven 435 miles.

How long has he been driving?



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
- D 32
- 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



## **PREVIEW**

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## length?

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

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



An airplane flies over a neighborhood and takes pictures of houses. On the ground, a house measures 52 ft x 28 ft,  $\ell$  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.

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Nick painted a room that was 672 ft<sup>2</sup> with 2 gallons of paint. He needs to paint a house that is 4,032 ft<sup>2</sup>. How much paint will he use?

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



## **Numerical Proportions**



Name Class Date A recipe for soup calls for 4 cups of A tennis camp uses 2 instructors for chicken broth. The recipe makes every 16 players. If 64 players are at 6 servings. If 26 people need to be the camp, how many instructors are served, how many cups of chicken needed? B B broth should be used? A 4 A 39 cups C  $16\frac{1}{2}$ **B** 8 C 16 **B**  $17\frac{1}{3}$ D 1 cup **D** 32 3 lan is on a trip. He drives an average Gina made \$287.55 in one week of 58 mph. He has already driven working at her job. She earns \$8.10 an 435 miles. hour. How many hours did she work? How long has he been driving? (B) **A** 35.2 hours 5 D **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet A A 157.5 cm length? **B** 280 cm C 1,260 cm A 151.2 cm C 420 cm **D** 1,680 cm **B** 375 cm **D** 450 cm 9 An airplane flies over a neighborhood and 10 Nick painted a room that was 672 ft2 takes pictures of houses. On the ground, with 2 gallons of paint. He needs to a house measures 52 ft x 28 ft, ℓ x w. paint a house that is 4,032 ft2. If in the picture taken by the plane the How much paint will he use? (D)length of the house is 6 in., what is the width to the nearest hundredth of an inch? A 8 gallons B 8.75 gallons A 2.57 in. C 5.57 in. C 10 gallons **B** 3.23 in. D 6.23 in. D 12 gallons