

Ratio, Rates, and Unit Rates

- ① A picture on a wall has a length 24 feet and a width 15 feet. Write the ratio of length to width in simplest form.

- ② There are 21 cups for 7 people. Write the fraction in simplest form, then find the unit rate.

- ③ You can peel 6 potatoes in 12 minutes. How much time do you require to peel 18 potatoes?

- ④ Find the unit rates.

- a) Apples cost \$2 for 8 _____ /apple
- b) 42 people in 6 hotels _____ people/hotel
- c) 12 rooms cleaned in 4 hours _____ rooms/hour
- d) 5 paintings in 10 days _____ paintings/day
- e) 12 kg in 3 containers _____ kg/container

Ratio, Rates, and Unit Rates

Answers

- ① A picture on a wall has a length 24 feet and a width 15 feet. Write the ratio of length to width in simplest form.

8:5

- ② There are 21 cups for 7 people. Write the fraction in simplest form, then find the unit rate.

3:1, 3 cups/person

- ③ You can peel 6 potatoes in 12 minutes. How much time do you require to peel 18 potatoes?

36 minutes

- ④ Find the unit rates.

- a) Apples cost \$2 for 8 \$0.25 /apple
- b) 42 people in 6 hotels 7 people/hotel
- c) 12 rooms cleaned in 4 hours 3 rooms/hour
- d) 5 paintings in 10 days 0.5 paintings/day
- e) 12 kg in 3 containers 4 kg/container