

Ratio and Rates

Express each statement as ratio and fraction in the simplest form.

1 24 bottles to 12 bottles

2 49 cents to 21 cents

3 40 gallons to 48 gallons

4 18 km to 26 km

5 64 students to 18 students

6 12 spiders to 22 spiders

Express each statement as the unit rate.

Unit Rate

1 15 chocolate bars for \$45

_____ /chocolate

2 8 km in 2 minutes

_____ /minute

3 45 pencils in 9 packs

_____ /pack

4 30 liters in 5 bottles

_____ /bottle

5 12 shirts for \$36

_____ /shirt

6 20 cups for \$16

_____ /cup

7 5 mobile phones for \$25

_____ /mobile phone

8 20 people in 2 buses

_____ /bus

Ratio and Rates

Answers

1 24 bottles to 12 bottles

$$\underline{2:1, \frac{2}{1}}$$

2 49 cents to 21 cents

$$\underline{7:3, \frac{7}{3}}$$

3 40 gallons to 48 gallons

$$\underline{5:6, \frac{5}{6}}$$

4 18 km to 26 km

$$\underline{9:13, \frac{9}{13}}$$

5 64 students to 18 students

$$\underline{32:9, \frac{32}{9}}$$

6 12 spiders to 22 spiders

$$\underline{6:11, \frac{6}{11}}$$

Unit Rate

1 15 chocolate bars for \$45

$$\underline{\$3} \quad \text{/chocolate}$$

2 8 km in 2 minutes

$$\underline{4 \text{ km}} \quad \text{/minute}$$

3 45 pencils in 9 packs

$$\underline{5 \text{ pencils}} \quad \text{/pack}$$

4 30 liters in 5 bottles

$$\underline{6 \text{ liters}} \quad \text{/bottle}$$

5 12 shirts for \$36

$$\underline{\$3} \quad \text{/shirt}$$

6 20 cups for \$16

$$\underline{\$0.8} \quad \text{/cup}$$

7 5 mobile phones for \$25

$$\underline{\$5} \quad \text{/mobile phone}$$

8 20 people in 2 buses

$$\underline{10 \text{ people}} \quad \text{/bus}$$