

## Chapter 9: Ratios & Rates

Write a ratio.



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Find the unit rate.

1. 65 books in 13 classes  
= \_\_\_\_\_ books per class.
  
2. 90 pairs of glasses in 3 bags  
= \_\_\_\_\_ pairs of glasses per bag.
  
3. 78 bottles in 6 boxes  
= \_\_\_\_\_ bottles per box.
  
4. 87 plastics on 3 tables  
= \_\_\_\_\_ plastics on one table.
  
5. 154 students in 7 rooms  
= \_\_\_\_\_ students per room.
  
6. 230 balls in 5 rows  
= \_\_\_\_\_ balls per row.
  
7. 208 customers in 4 shops  
= \_\_\_\_\_ customers in one shop.

Solve the proportion.

$$1. \frac{4}{y} = \frac{1}{3}$$

$$y = \underline{\hspace{2cm}}$$

$$2. \frac{1}{z} = \frac{2}{86}$$

$$z = \underline{\hspace{2cm}}$$

$$3. \frac{3}{u} = \frac{1}{26}$$

$$u = \underline{\hspace{2cm}}$$

$$4. \frac{9}{q} = \frac{3}{18}$$

$$q = \underline{\hspace{2cm}}$$

$$5. \frac{24}{13} = \frac{t}{39}$$

$$t = \underline{\hspace{2cm}}$$

$$6. \frac{x}{6} = \frac{4}{12}$$

$$x = \underline{\hspace{2cm}}$$

$$7. \frac{18}{c} = \frac{36}{20}$$

$$c = \underline{\hspace{2cm}}$$

$$8. \frac{8}{3} = \frac{192}{r}$$

$$r = \underline{\hspace{2cm}}$$