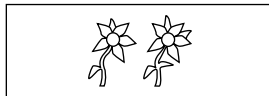


Practice 5-1

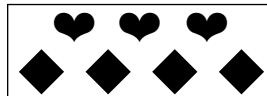
Ratios and Rates

Write three ratios that each diagram can represent.

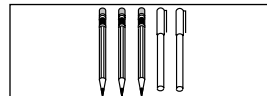
1.



2.



3.



Write each ratio in simplest form.

4. 9 cm : 12 cm

5. 20 in. out of 25 in.

6. 16 ft to 24 ft

7. $\frac{6 \text{ m}}{21 \text{ m}}$

8. 100 yd to 85 yd

9. $\frac{18 \text{ km}}{30 \text{ km}}$

10. 6 in. to 2 ft

11. 10 min to 3 h

12. 20 s to 5 min

Use a calculator, paper and pencil, or mental math to find each unit rate.

13. \$67.92 for 4 gal

14. \$21.00 for 6 h

15. 250 mi in 4 h

16. 141 words in 3 min

17. \$5.94 for 6 carnations

18. 36 min for 12 songs

The table at the right shows the results of a survey. Write each of the ratios in simplest form and as a decimal to the nearest hundredth.

Which Meal Do You Want for the Party?

19. *Tacos* to *Pizza* _____

20. *Pizza* to *Tacos* _____

21. *Tacos* to the total _____

22. *Pizza* to the total _____

23. Which is the better buy: a 16-oz box of cereal for \$3.89 or a 6-oz box of cereal for \$1.55?

24. A bag contains 8 yellow marbles and 6 blue marbles. What number of yellow marbles can you add to the bag so that the ratio of yellow to blue marbles is 2 : 1?

Tacos	Pizza
### IIII	### ###
###	### I