

37. **ART** The Louvre Museum, which is an art museum in France, has virtual tours of its exhibits on its website. The website can be viewed in four different languages. The table shows the number of hits received by each version of the website during one day. Find the percent of hits for each version of the website.

Version	English	French	Spanish	Japanese
Number of hits	4860	1350	1080	900

38. **TAKS REASONING** Write a real-world percent problem that can be solved using the proportion  $\frac{x}{75} = \frac{15}{100}$ . Then find the value of  $x$  and explain what the solution means in this situation.
39. **TAKS REASONING** Two different stores are selling a bicycle that you want to buy.
- Solve** At one store, the bicycle is on sale for 20% off the original price of \$240. How much money will you save by purchasing the bicycle on sale at this store?
  - Solve** At the other store, the bicycle is on sale for 25% off the original price of \$265. How much money will you save by purchasing the bicycle on sale at this store?
  - Compare** Which bicycle should you buy? *Explain.*
40. **CHALLENGE** Julia deposits 20% of her paycheck in her savings account. Then she deposits 60% of the remaining money in her checking account. She deposits \$108.24 in her checking account. How much money did she deposit in her savings account?

**TAKS PRACTICE** at classzone.com

## MIXED REVIEW FOR TAKS

**REVIEW**

Lesson 3.2;  
TAKS Workbook

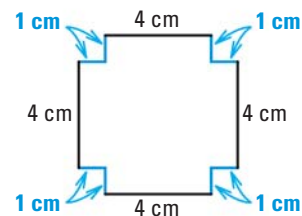
41. **TAKS PRACTICE** A clothing designer uses \$5 worth of fabric for each shirt she makes, and she sells each shirt for \$15. She also spends \$50 on supplies needed to make the shirts. Which of the following equations can be solved to determine how many shirts she needs to make to earn a profit of \$100? **TAKS Obj. 4**

- (A)  $100 = 5x + 15x - 50$                       (B)  $100 = 5x + 15x + 50$   
 (C)  $100 = 15x - 5x - 50$                       (D)  $100 = 5x - 15x - 50$

**REVIEW**

TAKS Preparation  
p. 420;  
TAKS Workbook

42. **TAKS PRACTICE** The polygon shown was made by connecting eight 1 centimeter sticks with four 4 centimeter sticks. All of the sticks meet at right angles. Find the area of the polygon. **TAKS Obj. 7**



- (F)  $16 \text{ cm}^2$   
 (G)  $24 \text{ cm}^2$   
 (H)  $32 \text{ cm}^2$   
 (J)  $36 \text{ cm}^2$