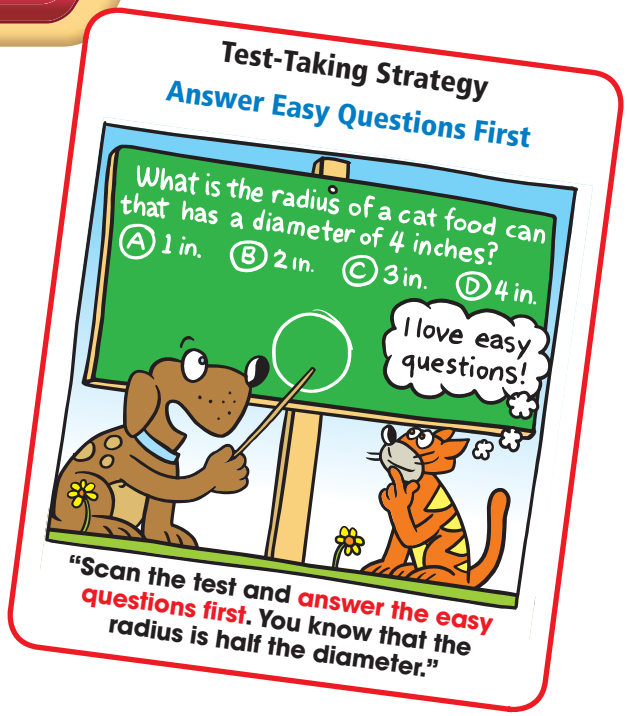
English Spanish

6 Standardized Test Practice



1. What number belongs in the box to make the equation true?

$$0.4 = 16 \times \square$$

A. 0.025 **C.** 2.5

B. 0.064 **D.** 6.4

2. Which integer is closest to the value of the expression below?

$$35\frac{7}{8} \div \left(4\frac{1}{5} \times 2\frac{9}{10}\right)$$

F. 3 **H.** 18

G. 4 **I.** 27

3. What is the value of the expression below?

$$4\frac{1}{8} \div 5\frac{1}{2}$$

4. Your mathematics teacher described an equation in words. Her description is in the box below.

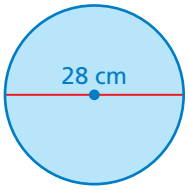
> "5 less than the product of 7 and an unknown number is equal to 42."

Which equation matches your mathematics teacher's description?

A. $(5 - 7)n = 42$ **C.** $5 - 7n = 42$

B. $(7 - 5)n = 42$ **D.** $7n - 5 = 42$

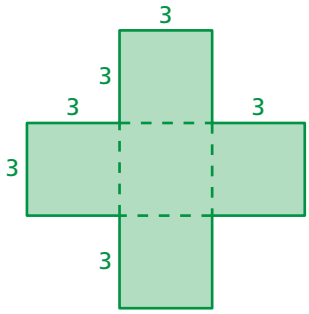
5. What is the area of the circle below? $\left(\text{Use } \frac{22}{7} \text{ for } \pi.\right)$



F. 44 cm^2 **H.** 616 cm^2

G. 88 cm^2 **I.** 2464 cm^2

6. John was finding the area of the figure below.



John's work is in the box below.

area of horizontal rectangle

$A = 3 \times (3 + 3 + 3)$

$= 3 \times 9$

$= 27$ square units

area of vertical rectangle

$A = (3 + 3 + 3) \times 3$

$= 9 \times 3$

$= 27$ square units

total area of figure

$A = 27 + 27$

$= 54$ square units

What should John do to correct the error that he made?

A. Add the area of the center square to the 54 square units.

B. Find the area of one square and multiply this number by 4.

C. Subtract the area of the center square from the 54 square units.

D. Subtract 54 from the area of a large square that is 9 units on each side.

7. You are baking cookies. For each batch of cookies, you use $2\frac{1}{4}$ cups of flour. How many cups of flour do you use for 6 batches of cookies?

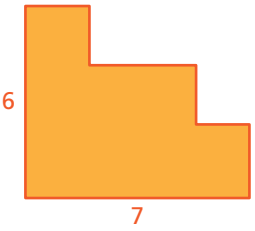
F. $8\frac{1}{4}$ cups

G. $12\frac{1}{4}$ cups

H. $12\frac{1}{2}$ cups

I. $13\frac{1}{2}$ cups

8. What is the perimeter of the figure below?



9. On a certain date in the year 2008, one U.S. dollar was equivalent to 47.775 Indian rupees. At this rate, ten U.S. dollars are equivalent to how many Indian rupees?

A. 4.7775

B. 37.775

C. 57.775

D. 477.75

10. Four jewelry stores are selling an identical pair of earrings.

- Store F: original price of $75; 20% off during sale
- Store G: original price of $100; 35% off during sale
- Store H: original price of $70; 10% off during sale
- Store I: original price of $95; 30% off during sale

Which store has the least sale price for the pair of earrings?

F. Store F

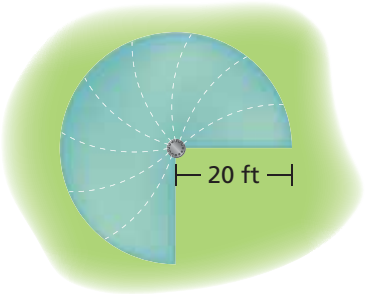
G. Store G

H. Store H

I. Store I

11. A lawn sprinkler sprays water onto part of a circular region, as shown below.

Think Solve Explain



Part A What is the area, in square feet, of the region that the sprinkler sprays with water? Show your work and explain your reasoning. (Use 3.14 for π.)

Part B What is the perimeter, in feet, of the region that the sprinkler sprays with water? Show your work and explain your reasoning. (Use 3.14 for π.)