English Spanish

2 Standardized Test Practice

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

$$3\frac{1}{2} \times 2\frac{1}{2}$$

A. 5 **C.** 7

B. 6 **D.** 9

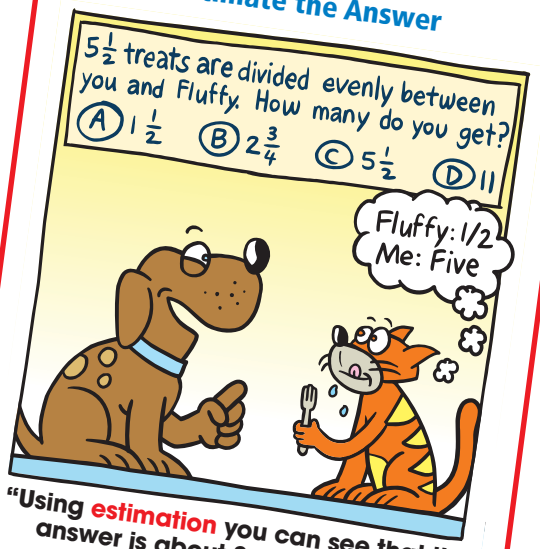
2. What is the value of the expression below when $a = 6$, $b = 5$, and $c = 4$?

$$8a - 3c + 5b$$

F. 11 **H.** 61

G. 53 **I.** 107

Test-Taking Strategy
Estimate the Answer



"Using estimation you can see that the answer is about 3. So, you should choose B."

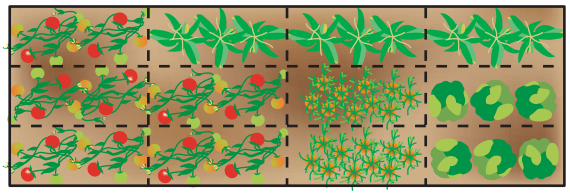
3. The formula $p = 5n + 2m$ can be used to determine the total number of points p on an exam with n numerical response questions and m multiple choice questions. What is the total number of points for an exam with 10 numerical response questions and 20 multiple choice questions?

4. Which decimal is equivalent to $\frac{5}{8}$?

A. 0.40 **C.** 0.625

B. 0.58 **D.** 0.675

5. Your garden is divided into 12 sections of equal size.



In 5 of these sections, you planted tomato plants. An armadillo dug up and destroyed $\frac{1}{3}$ of the tomato plants. What fraction of the garden now contains tomato plants?

F. $\frac{5}{36}$ **H.** $\frac{5}{4}$

G. $\frac{5}{18}$ **I.** $\frac{5}{3}$

6. The steps your friend took to divide two mixed numbers are shown below. What should your friend change in order to divide the two mixed numbers correctly?

$$3\frac{3}{5} \div 1\frac{1}{2} = \frac{18}{5} \times \frac{3}{2}$$
$$= \frac{27}{5}$$
$$= 5\frac{2}{5}$$

A. Find a common denominator of 5 and 2.

B. Multiply by the reciprocal of $\frac{18}{5}$.

C. Multiply by the reciprocal of $\frac{3}{2}$.

D. Rename $3\frac{3}{5}$ as $2\frac{8}{5}$.

7. On Saturday, you earned \$35 mowing lawns. This was x dollars more than you earned on Thursday. Which expression represents the amount, in dollars, you earned mowing lawns on Thursday?

F. $35x$

G. $x + 35$

H. $x - 35$

I. $35 - x$

8. Tom and Erlene both purchased an MP3 player like the one shown. Tom received $\frac{1}{3}$ off the price of the MP3 player, and Erlene received $\frac{1}{5}$ off. How much more money, in dollars, did Erlene pay than Tom?

9. Which property is illustrated by the statement below?

$$4 + (6 + n) = (4 + 6) + n$$

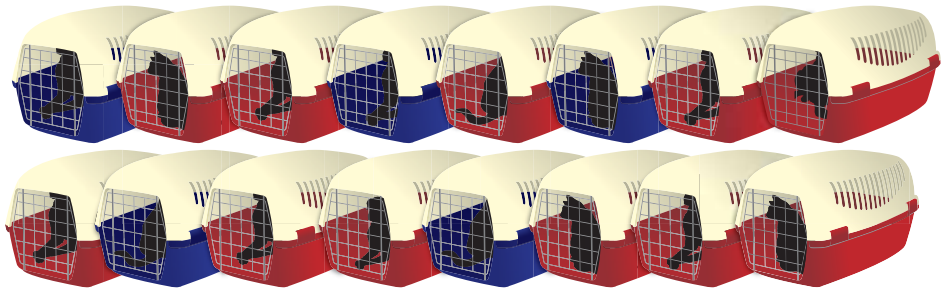
A. Associative Property of Addition

B. Commutative Property of Addition

C. Associative Property of Multiplication

D. Identity Property of Addition

10. There are 16 pet carriers at an animal show. Three-fourths of the pet carriers contain a dog and $\frac{2}{3}$ of the dogs are spotted. How many of the pet carriers contain spotted dogs?



F. 4

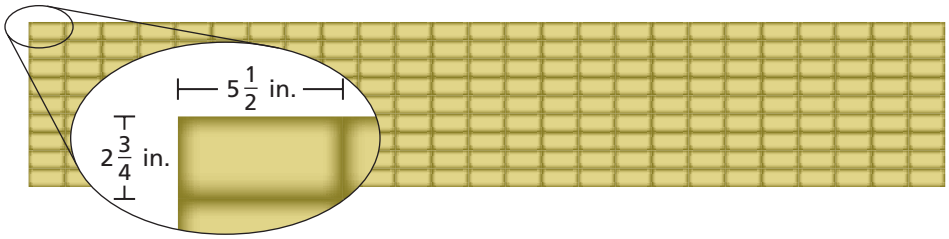
G. 8

H. 11

I. 12

11. A walkway was built using identical concrete blocks.

Think Solve Explain



Part A How much longer, in inches, is the length of the walkway than the width of the walkway? Show your work and explain your reasoning.

Part B The cost of the walkway was \$0.02 per square inch. What was the total cost, in dollars to the nearest cent, of the walkway? Show your work and explain your reasoning.

12. You made $17\frac{3}{4}$ pints of orange marmalade. You want to store the marmalade in $\frac{1}{2}$-pint jars. What is the minimum number of jars you will need?

A. 36

B. 35

C. 9

D. 8

13. Which number is *not* equivalent to 1.6?

F. $\frac{1}{6}$

G. $\frac{8}{5}$

H. $1\frac{3}{5}$

I. $1\frac{6}{10}$