

9 Standardized Test Practice

1. An outdoor adventure company offers horseback riding. The total cost C for h hours of horseback riding is represented by the equation below.

$$C = 12h + 26$$

Which statement is *false*?

- A. The cost for 1 hour of horseback riding is \$38.
- B. The cost for 2 hours of horseback riding is \$76.
- C. The cost for 5 hours of horseback riding is \$86.
- D. The cost for 8 hours of horseback riding is \$122.

Test-Taking Strategy
Work Backwards

You went x days without clawing the sofa where $5x + 3 = 18$. How long was that?
(A) 1 (B) 2 (C) 3 (D) 4

"Work backwards by trying 1, 2, 3, and 4. You will see that $5 \cdot 3 + 3 = 18$. So, C is correct."

2. A parallelogram has a perimeter of 30 inches. The length of one of its sides is 6 inches. What are the lengths, in inches, of its three other sides?

- F. 5, 5, and 6
- G. 6, 9, and 9
- H. 7, 8, and 9
- I. 6, 24, and 24

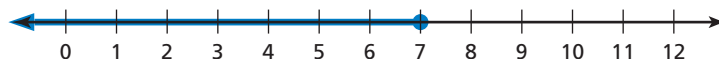
3. Each output in the input-output table below is equal to 8 less than $\frac{1}{2}$ the input.



Input, x	20	34	50	?	106
Output, y	2	9	17	30	45

What is the value of the missing input?

4. Which inequality is represented by the number line below?



- A. $x > 7$
- B. $x < 7$
- C. $7 \geq x$
- D. $7 \leq x$

5. José was dividing a whole number by a decimal in the box below.

$$0.005 \overline{)705} \rightarrow 5 \overline{)705} \begin{matrix} 141 \\ \end{matrix}$$

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

- F. Move the decimal point in the quotient three places to the left to get 0.141.
 - G. Move the decimal point in the quotient two places to the right to get 14,100.
 - H. Move the decimal point in the dividend three places to the left and find $5 \overline{)0.705}$.
 - I. Move the decimal point in the dividend three places to the right and find $5 \overline{)705,000}$.
6. Which value of a makes the equation below true?

$$24 = \frac{a}{3} - 9$$

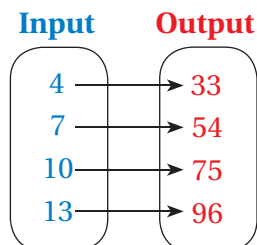
- A. 99
- B. 45
- C. 11
- D. 5

7. A mapping diagram is shown.



What number belongs in the box below so that the equation will correctly describe the function represented by the mapping diagram?

$$y = \boxed{}x + 5$$



8. There are four sixth-grade classrooms in your school. You counted the number of boys and the number of girls in each class. Your results are shown in the table below.

Class	Number of Boys	Number of Girls
A	14	12
B	18	15
C	10	15
D	10	8

Based on the table, which class has the greatest ratio of boys to girls?

- F. Class A
- G. Class B
- H. Class C
- I. Class D

