



SAMPLE – Comprehensive Pre/Post Assessment

LEVEL E: NGS³ COMPREHENSIVE PRE/POST ASSESSMENT

Choose the best answer. If the correct answer is not given, select NH for Not Here.

- 1 At tennis day camp there is a container of 308 tennis balls that 28 students will use to practice hitting. Each child will use the same number of balls. The expression below can be used to find the number of balls each child will use.

$$308 \div 28$$

Which expression below is equivalent to $308 \div 28$?

- (A) $(280 \div 14) + (28 \div 14)$
(B) $(28 \div 4) + (10 \div 4)$
(C) $(308 \div 10) + (308 \div 14)$
(D) $(300 \div 30) + (20 \div 2)$
(E) $(280 \div 28) + (28 \div 28)$
- 2 Chelsea correctly solved the division problem below in her notebook. What is the value of the missing digit in the divisor?

- (A) 9
(B) 8
(C) 7
(D) 3
(E) 2

$$\begin{array}{r} 1? \overline{)7596} \\ - 72 \\ \hline 39 \\ - 36 \\ \hline 36 \end{array}$$

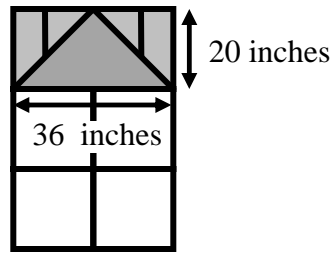
- 3 Mr. Tribet has a total of 824 paper clips in 4 containers on his desk. He can use the expression $824 \div 4$ to find the number of paper clips on each container. Which of the expressions below is equivalent to $824 \div 4$?

- (A) $(80 + 20 + 4) \div 4$
(B) $(800 + 24) \div 4$
(C) $(82 + 4) \div 4$
(D) $(800 + 2 + 4) \div 4$
(E) NH

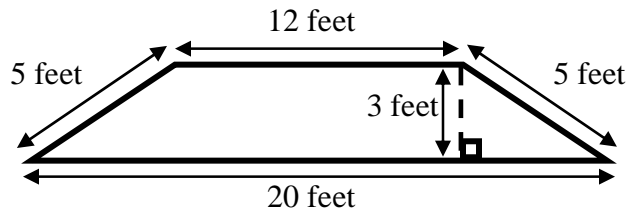
- 37 The figure below shows a drawing of the window treatment in Robin’s bedroom.

What is the area of the triangle in the figure?

- (A) 720 square inches
- (B) 360 square inches
- (C) 180 square inches
- (D) 112 square inches
- (E) 56 square inches



- 38 The top of a table in the back of Ms. Wynwood’s room is shaped like a trapezoid, as shown below.



Note: Figure not drawn to scale.

What is the area of the top of the table?

- (A) 48 square feet
 - (B) 24 square feet
 - (C) 20 square feet
 - (D) 18 square feet
 - (E) NH
- 39 On our recent math test, Ms. Garcia gave us the expression below to simplify for extra credit.

$$117 - (6 \div 2) \times 3^3$$

What is the value of the expression?

- (A) -36
- (B) -63
- (C) 36
- (D) 90
- (E) 1,026