

- 14 A 120-foot-long rope is cut into 3 pieces. The first piece of rope is twice as long as the second piece of rope. The third piece of rope is three times as long as the second piece of rope. What is the length of the longest piece of rope?

A 20 feet  
B 40 feet  
C 60 feet  
D 80 feet

CSA10052

- 15 The cost to rent a construction crane is \$750 per day plus \$250 per hour of use. What is the maximum number of hours the crane can be used each day if the rental cost is not to exceed \$2500 per day?

A 2.5  
B 3.7  
C 7.0  
D 13.0

CSA10057

- 16 What is the solution to the inequality  $x - 5 > 14$ ?

A  $x > 9$   
B  $x > 19$   
C  $x < 9$   
D  $x < 19$

CSA00487

- 17 The lengths of the sides of a triangle are  $y$ ,  $y + 1$ , and 7 centimeters. If the perimeter is 56 centimeters, what is the value of  $y$ ?

A 24  
B 25  
C 31  
D 32

CSA10046

- 18 Beth is two years older than Julio. Gerald is twice as old as Beth. Debra is twice as old as Gerald. The sum of their ages is 38. How old is Beth?

A 3  
B 5  
C 6  
D 8

CSA20171

## Answers

14	<i>C</i>
15	<i>C</i>
16	<i>B</i>
17	<i>A</i>
18	<i>B</i>