## Distances Traveled <br> by Two Bicycle Riders


A. 3
B. 6
C. 15
D. 30
E. 60

Correct Answer: D

## QUESTION 17

How many MORE hours did it take bicyclist $B$ to travel 40 miles than it took bicyclist $A$ to travel the same distance?

## Distances Traveled <br> by Two Bicycle Riders


A. 2
B. 4
C. 8
D. 12
E. 20

Correct Answer: B

## QUESTION 18

CORRECT TEXT
The slopes of the lines give the average rates of speed, in miles per hour, for the two bicyclists. What is the average rate of speed, in miles per hour, for bicyclist A?

## Distances Traveled <br> by Two Bicycle Riders



Correct Answer: 10 miles per hour

## QUESTION 19

CORRECT TEXT
If bicyclist B were to travel at his same rate of speed for 10 hours, how many miles would he travel?

## Distances Traveled <br> by Two Bicycle Riders



Correct Answer: 50 miles

## QUESTION 20

Expressions for the measures of the angles of a triangle are shown in the diagram below.


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Which of the following equations would be used to find the value of $x$ ?
A. $2 x+15+x+20=3 x+25$
B. $3 x+25+2 x+15=x+20$
C. $3 x+25+x+20=2 x+15$
D. $3 x+25+2 x+15+x+20=360$
E. $3 x+25+2 x+15+x+20=180$

## Correct Answer: E

## QUESTION 21

The remainder of a bolt of fabric, $971 / 2$ inches long, is to be cut into 3 pieces. One piece is to be 22 inches long, and the other two are to be of equal length. What will be the length, in inches, of each of the two equal pieces?
A. $33 \frac{1}{2}$
B. $37 \frac{3}{4}$
C. $48 \frac{1}{4}$
D. $48 \frac{3}{4}$
E. $75 \frac{1}{2}$

## Correct Answer: B

QUESTION 22
What is the minimum length, in inches, of chain needed to reach from the anchor to the end of the sign?

