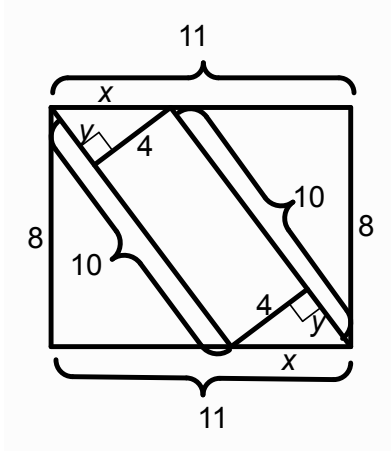


Triple Play

Three questions in 15 minutes

- The figure below consists of rectangles and right triangles. What is the area of the rectangle in the middle of the figure?



- Each letter in the subtraction problem below represents a different digit between 0 and 9. That is, all of the letter A s represent the same digit, all of the letter B s represent the same digit and so on. Find the value of $A + B + C + D + E$.

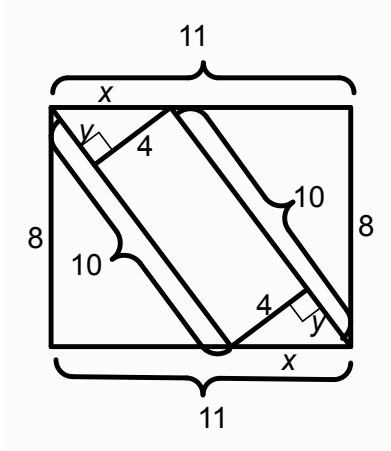
$$\begin{array}{r} A \ B \ C \ D \ C \\ - \ B \ E \ A \ A \ C \\ \hline B \ A \ D \ A \ D \end{array}$$

- Karla, her brother, son, and daughter are playing a doubles game of tennis. Karla's daughter is directly across the net from Karla's brother. Karla's son is diagonally across the net from the worst player's sibling. The best and worst players are on the same side of the net. Who is the best player?

Triple Play

Three questions in 15 minutes

- The figure below consists of rectangles and right triangles. What is the area of the rectangle in the middle of the figure?



$x = 5, y = 3$ so the area of the rectangle is 28.

- Each letter in the subtraction problem below represents a different digit between 0 and 9. That is, all of the letter A s represent the same digit, all of the letter B s represent the same digit and so on. Find the value of $A + B + C + D + E$.

$$\begin{array}{r} A \ B \ C \ D \ C \\ - \ B \ E \ A \ A \ C \\ \hline B \ A \ D \ A \ D \end{array}$$

$A = 5, B = 2, C = 6, D = 0, E = 7$, so $A + B + C + D + E = 20$.

- Karla, her brother, son, and daughter are playing a doubles game of tennis. Karla's brother is directly across the net from Karla's daughter. Karla's son is diagonally across the net from the worst player's sibling. The best and worst players are on the same side of the net. Who is the best player?

The best player is Karla's brother.