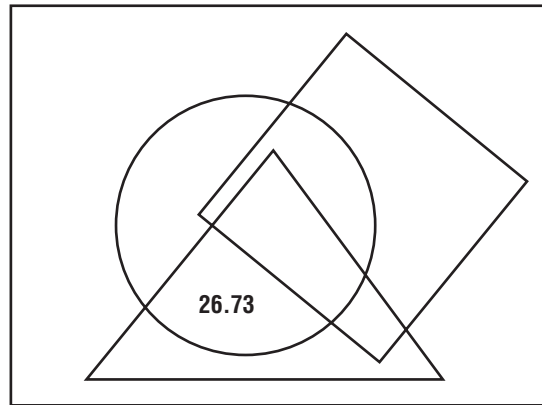# Enrich

A Logic Puzzle

Here is a puzzle that will help you brush up on your logical thinking skills.

The product 3.3×8.1 is in both the circle and the triangle, but not in the square. Place the product in the diagram at the right.

$$
\begin{array}{r}
8.1 \\
\times\ \ 3.3 \\
\hline
2\,4\,3 \\
2\,4\,3\ \ \ \\
\hline
2\,6.7\,3
\end{array}
$$

Write 26.73 in the ← correct region of the diagram.

Use the given information to place the product in the diagram above.

1. The product 14.19×1.3 is in both the triangle and the square, but not in the circle.

2. The product 0.08×2.7 is in the triangle, but not in the circle or the square.

3. The product 1.24×0.16 is not in the circle, the square, or the triangle.

4. The product 2.2×0.815 is in both the square and the circle, but not in the triangle.

5. The product 0.02×0.03 is in the circle, but not the triangle or the square.

6. The product 21.7×0.95 is in the circle, the square, and the triangle.

7. The product 2.5×12.8 is in the square, but not the circle or triangle.

8. If you did all the calculations correctly, the sum of all the numbers in the diagram should be a "nice" number. What is the sum?