

Problem Solving: Draw a Picture and Write an Equation

Draw a picture and write an equation. Then solve.

- Mr. Flanders drives $1\frac{2}{3}$ miles to school and $1\frac{2}{3}$ miles home each day. He also drives an extra $2\frac{2}{7}$ miles to go to the gym. How many miles does he drive in one day?

- Alison is making a 16-inch necklace. The first $4\frac{1}{4}$ inches are filled with red beads and $8\frac{3}{8}$ inches are filled with blue beads. The rest has white beads. How many inches are filled with white beads?

- Stewart draws a triangle, and each side is $2\frac{1}{6}$ inches long. Judith draws a square, and each side is $1\frac{5}{8}$ inches long. Which figure has the greater perimeter, the triangle or the square?

- Cristoff practices playing his guitar for $1\frac{1}{2}$ hours each weekday. He practices this amount of time plus an additional $1\frac{1}{2}$ hours on Sundays. Let x = the number of hours Cristoff practices on Sundays. Draw a picture and write an equation and solve to find the number of hours he practices on Sundays.

- Which of these fractions, when added to $2\frac{1}{3}$, will give you a sum greater than six?
A $3\frac{1}{2}$ **B** $3\frac{5}{12}$ **C** $3\frac{7}{12}$ **D** $3\frac{3}{4}$
- Dennis says that $1\frac{1}{2}$, $1\frac{2}{4}$, and $1\frac{3}{6}$ are all equivalent. Is he correct? Draw a picture and explain your answer.

