Problem Solving: Draw a Picture and Write an Equation

A hardware store ordered 9 packs of screws from a supplier. Each pack contains 150 screws. How many screws did the store order?

Read and Understand

What do you know?

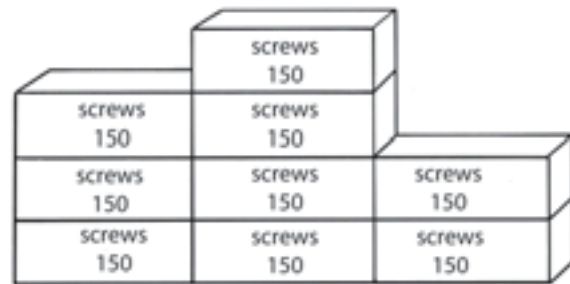The store ordered nine packs of screws.

Each pack contained 150 screws.

What are you trying to find?

The total number of screws ordered

Plan and Solve

Draw a picture of what you know.

Write an equation.

Let x = the total number of screws.

$9 \times 150 = x$

Multiply.

$$\begin{array}{r} \overset{4}{150} \\ \times\ 9 \\ \hline 1{,}350 \end{array}$$

The store ordered 1,350 screws.

Look Back and Check

Is your answer reasonable?

Yes, $150 \times 10 = 1{,}500$.

A state aquarium has display tanks that each contains 75 fish. Three of these tanks are at the entrance. How many fish are on display at the entrance?

Draw a picture. Write an equation. Solve.

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