Ch. 7 Word Problems HW

1. How many packages of diapers can you buy with $40 if one package costs $8?

\[
\begin{align*}
\text{\$18} &= 2 \times \text{\$9} \\
8x &= 40 \\
\frac{8x}{8} &= \frac{40}{8} \\
x &= 5
\end{align*}
\]

2. 15 children watched the circus. 8 children were holding banners. How many children were not holding banners?

\[
\begin{align*}
8 + x &= 15 \\
-8 &= -8 \\
x &= 7
\end{align*}
\]

3. Leo has a toy car collection. He gave 15 cars to his younger brother. Now Leo only has 24 cars. How many toy cars did Leo have at first?

\[
\begin{align*}
x - 15 &= 24 \\
+15 &= +15 \\
x &= 39
\end{align*}
\]

4. Rita has 20 crayons. Nora has 15 more crayons than Rita. How many crayons does Nora have?

\[
\begin{align*}
N &= x + 15 \\
Rita &= 20 \\
x &= 35
\end{align*}
\]

5. The Girl Scouts are having their annual cookie sale. Emily sells 5 boxes of cookies each day. In total they sold 45 boxes of cookies. How many days did they sell for?

\[
\begin{align*}
5d &= 45 \\
\frac{5d}{5} &= \frac{45}{5} \\
d &= 9
\end{align*}
\]