Remember that addition and subtraction are related. So, you can add to check subtraction.

Find 24 − 9.

\[
\begin{array}{c@{}c@{}c@{}c@{}c@{}c}
24 & - & 9 & \rightarrow & 9 & 15 \\
\rightarrow & 15 & + & 9 & \rightarrow & 24
\end{array}
\]

The sum of the parts equals the whole.

Find 52 − 17.

\[
\begin{array}{c@{}c@{}c@{}c@{}c@{}c}
412 & 52 & - & 17 & \rightarrow & 35 \\
\rightarrow & 35 & + & 17 & \rightarrow & 52
\end{array}
\]

Add to check your subtraction.

The two parts equal the whole!

Do You Understand?

Show Me! Why can you use addition to check \(63 - 19 = 44\)?

Guided Practice

Subtract. Check your answer by adding. Write the missing part.

1.

\[
\begin{array}{c@{}c@{}c@{}c@{}c@{}c@{}c@{}c}
2 & 12 & - & 13 & \rightarrow & 9 \\
\rightarrow & 9 & + & 13 & \rightarrow & 32 \\
\end{array}
\]

The sum of the parts equals the whole.

2.

\[
\begin{array}{c@{}c@{}c@{}c@{}c@{}c@{}c@{}c}
78 & - & 49 & \rightarrow & 29 \\
\rightarrow & 29 & + & 49 & \rightarrow & 78 \\
\end{array}
\]

You can show the parts in any order.
Subtract. Check your answer by adding. Write the missing part.

3. \[52 - 27 = \square\]
4. \[80 - 14 = \square\]
5. \[54 - 19 = \square\]
6. \[75 - 62 = \square\]
7. \[83 - 29 = \square\]
8. \[48 - 21 = \square\]

9. **Higher Order Thinking** Maria uses \(35 + 24\) to check her answer to a subtraction problem. Write two subtraction problems Maria could have solved.
10. **Math and Science** 62 students are doing science experiments.  
48 students have cups of water.  
The rest have ice cubes.  
How many students have ice cubes?

\[ \quad - \quad + \quad \]

_____ students

12. **Higher Order Thinking** Write a subtraction story about 65 – 41. Solve the story. Check your answer by adding.

\[ \quad - \quad + \quad \]

13. **Assessment** Bill has 17 more craft sticks than Roger. Bill has 45 craft sticks. How many craft sticks does Roger have? Which shows the solution and how to check it?

\[ \text{A} \quad 15 \text{ sticks; } 30 + 15 = 45 \\
\text{B} \quad 28 \text{ sticks; } 28 + 17 = 45 \\
\text{C} \quad 45 \text{ sticks; } 28 + 17 = 45 \\
\text{D} \quad 62 \text{ sticks; } 45 + 17 = 62 \]