

Name: _____

Date: _____

Check Solution: Questions

- (1) Determine whether $x = 5$ is a solution to the equation $x - 4 = 1$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 5$ a solution to the equation.

- (2) Determine whether $x = 11$ is a solution to the equation $x - 3 = 7$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 11$ a solution to the equation.

- (3) Determine whether $x = 6$ is a solution to the equation $x - 5 = 3$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 6$ a solution to the equation.

- (4) Determine whether $x = 20$ is a solution to the equation $x - 8 = 10$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 20$ a solution to the equation.

- (5) Determine whether $x = 15$ is a solution to the equation $x - 9 = 5$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 15$ a solution to the equation.

- (6) Determine whether $x = 17$ is a solution to the equation $x - 6 = 8$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 17$ a solution to the equation.

- (7) Determine whether $x = 16$ is a solution to the equation $x - 9 = 10$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 16$ a solution to the equation.

- (8) Determine whether $x = 11$ is a solution to the equation $x - 10 = 1$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 11$ a solution to the equation.

- (9) Determine whether $x = 7$ is a solution to the equation $x - 4 = 3$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 7$ a solution to the equation.

- (10) Determine whether $x = 11$ is a solution to the equation $x - 10 = 1$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 11$ a solution to the equation.

- (11) Determine whether $x = 15$ is a solution to the equation $x - 5 = 10$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 15$ a solution to the equation.

- (12) Determine whether $x = 10$ is a solution to the equation $x - 1 = 10$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 10$ a solution to the equation.

- (13) Determine whether $x = 10$ is a solution to the equation $x - 9 = 1$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 10$ a solution to the equation.

- (14) Determine whether $x = 9$ is a solution to the equation $x - 5 = 1$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 9$ a solution to the equation.

- (15) Determine whether $x = 15$ is a solution to the equation $x - 8 = 7$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 15$ a solution to the equation.

- (16) Determine whether $x = 10$ is a solution to the equation $x - 7 = 3$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 10$ a solution to the equation.

- (17) Determine whether $x = 12$ is a solution to the equation $x - 8 = 4$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 12$ a solution to the equation.

- (18) Determine whether $x = 9$ is a solution to the equation $x - 4 = 2$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 9$ a solution to the equation.

- (19) Determine whether $x = 8$ is a solution to the equation $x - 3 = 4$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 8$ a solution to the equation.

- (20) Determine whether $x = 17$ is a solution to the equation $x - 9 = 8$:

$$\begin{aligned}\text{LHS} &= & \text{RHS} &= \\ &= & & \\ &= & &\end{aligned}$$

\therefore Since LHS ... RHS, $x = 17$ a solution to the equation.