

Name: _____

Date: _____

Check Solution: Questions

- (1) Determine whether $x = 32$ is a solution to the equation $\frac{x}{4} = 8$:

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

\therefore Since LHS ... RHS, $x = 32$ a solution to the equation.

- (2) Determine whether $x = 20$ is a solution to the equation $\frac{x}{10} = 2$:

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

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

- (3) Determine whether $x = 73$ is a solution to the equation $\frac{x}{8} = 9$:

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

\therefore Since LHS ... RHS, $x = 73$ a solution to the equation.

- (4) Determine whether $x = 21$ is a solution to the equation $\frac{x}{4} = 5$:

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

\therefore Since LHS ... RHS, $x = 21$ a solution to the equation.

- (5) Determine whether $x = 40$ is a solution to the equation $\frac{x}{4} = 10$:

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

\therefore Since LHS ... RHS, $x = 40$ a solution to the equation.

- (6) Determine whether $x = 21$ is a solution to the equation $\frac{x}{4} = 6$:

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

\therefore Since LHS ... RHS, $x = 21$ a solution to the equation.

- (7) Determine whether $x = 16$ is a solution to the equation $\frac{x}{8} = 2$:

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

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

- (8) Determine whether $x = 9$ is a solution to the equation $\frac{x}{3} = 3$:

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

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

- (9) Determine whether $x = 30$ is a solution to the equation $\frac{x}{10} = 3$:

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

\therefore Since LHS ... RHS, $x = 30$ a solution to the equation.

- (10) Determine whether $x = 21$ is a solution to the equation $\frac{x}{3} = 7$:

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

\therefore Since LHS ... RHS, $x = 21$ a solution to the equation.

- (11) Determine whether $x = 25$ is a solution to the equation $\frac{x}{9} = 3$:

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

\therefore Since LHS ... RHS, $x = 25$ a solution to the equation.

- (12) Determine whether $x = 30$ is a solution to the equation $\frac{x}{3} = 10$:

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

\therefore Since LHS ... RHS, $x = 30$ a solution to the equation.

- (13) Determine whether $x = 5$ is a solution to the equation $\frac{x}{4} = 2$:

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

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

- (14) Determine whether $x = 54$ is a solution to the equation $\frac{x}{9} = 6$:

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

\therefore Since LHS ... RHS, $x = 54$ a solution to the equation.

- (15) Determine whether $x = 18$ is a solution to the equation $\frac{x}{2} = 9$:

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

\therefore Since LHS ... RHS, $x = 18$ a solution to the equation.

- (16) Determine whether $x = 40$ is a solution to the equation $\frac{x}{5} = 8$:

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

\therefore Since LHS ... RHS, $x = 40$ a solution to the equation.

- (17) Determine whether $x = 41$ is a solution to the equation $\frac{x}{10} = 4$:

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

\therefore Since LHS ... RHS, $x = 41$ a solution to the equation.

- (18) Determine whether $x = 36$ is a solution to the equation $\frac{x}{9} = 4$:

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

\therefore Since LHS ... RHS, $x = 36$ a solution to the equation.

- (19) Determine whether $x = 20$ is a solution to the equation $\frac{x}{5} = 4$:

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

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

- (20) Determine whether $x = 20$ is a solution to the equation $\frac{x}{5} = 4$:

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

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