



Solution

$$\frac{(x+47972)}{75 \cdot 600} = 51, 2400 \cdot \frac{(z-30985)}{15} = 120 - 9731 \quad : \quad x = 2247028, z = \frac{4947989}{160}$$

Steps

$$\left[\begin{array}{l} \frac{(x+47972)}{75 \cdot 600} = 51 \\ 2400 \cdot \frac{(z-30985)}{15} = 120 - 9731 \end{array} \right]$$

Isolate x for $\frac{(x+47972)}{75 \cdot 600} = 51$: $x = 2247028$

Show Steps

$$\left[2400 \cdot \frac{z-30985}{15} = 120 - 9731 \right]$$

Simplify

Show Steps

$$\left[160(z-30985) = -9611 \right]$$

Isolate z for $160(z-30985) = -9611$: $z = \frac{4947989}{160}$

Show Steps

The solutions to the system of equations are:

$$x = 2247028, z = \frac{4947989}{160}$$

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