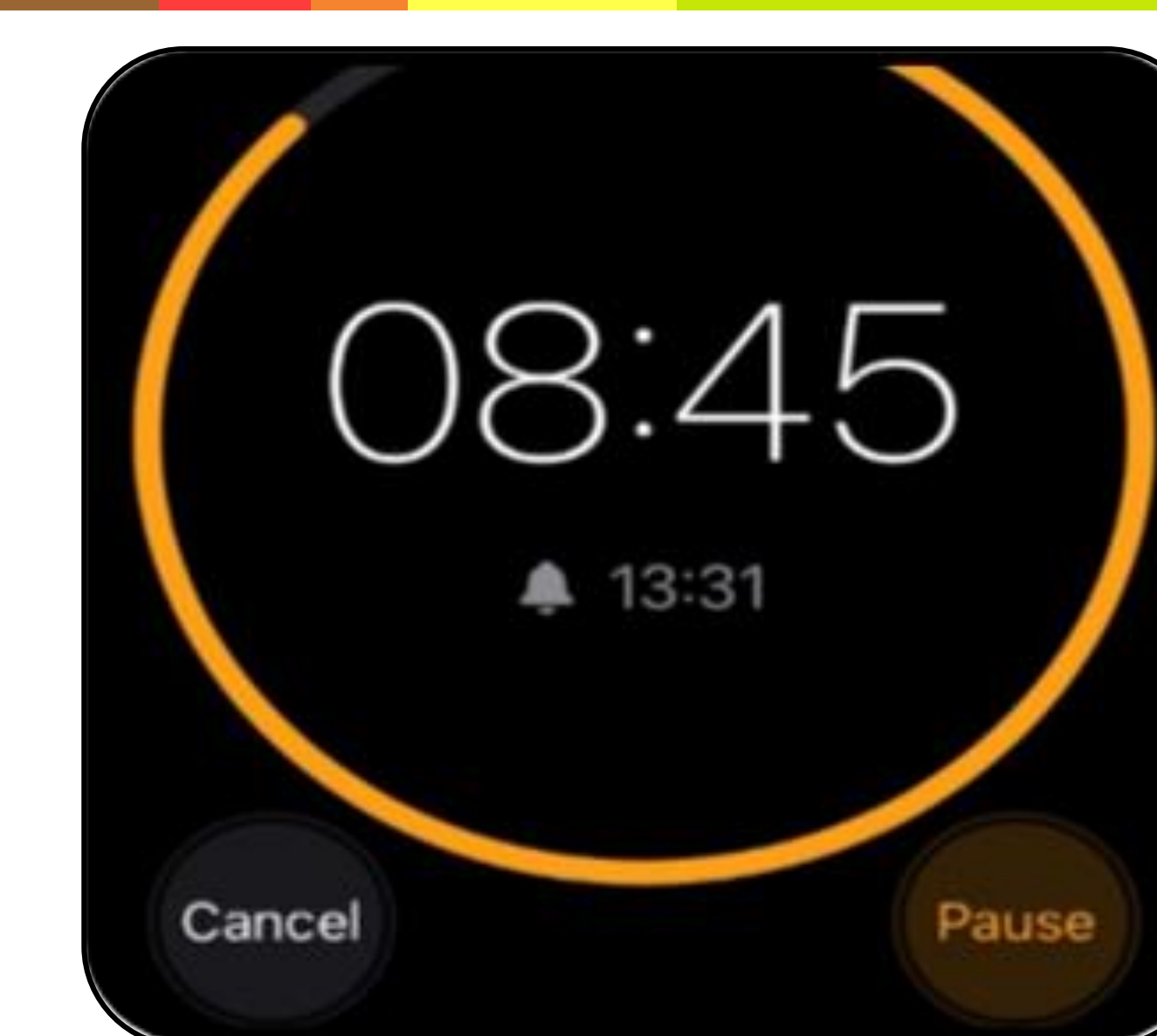
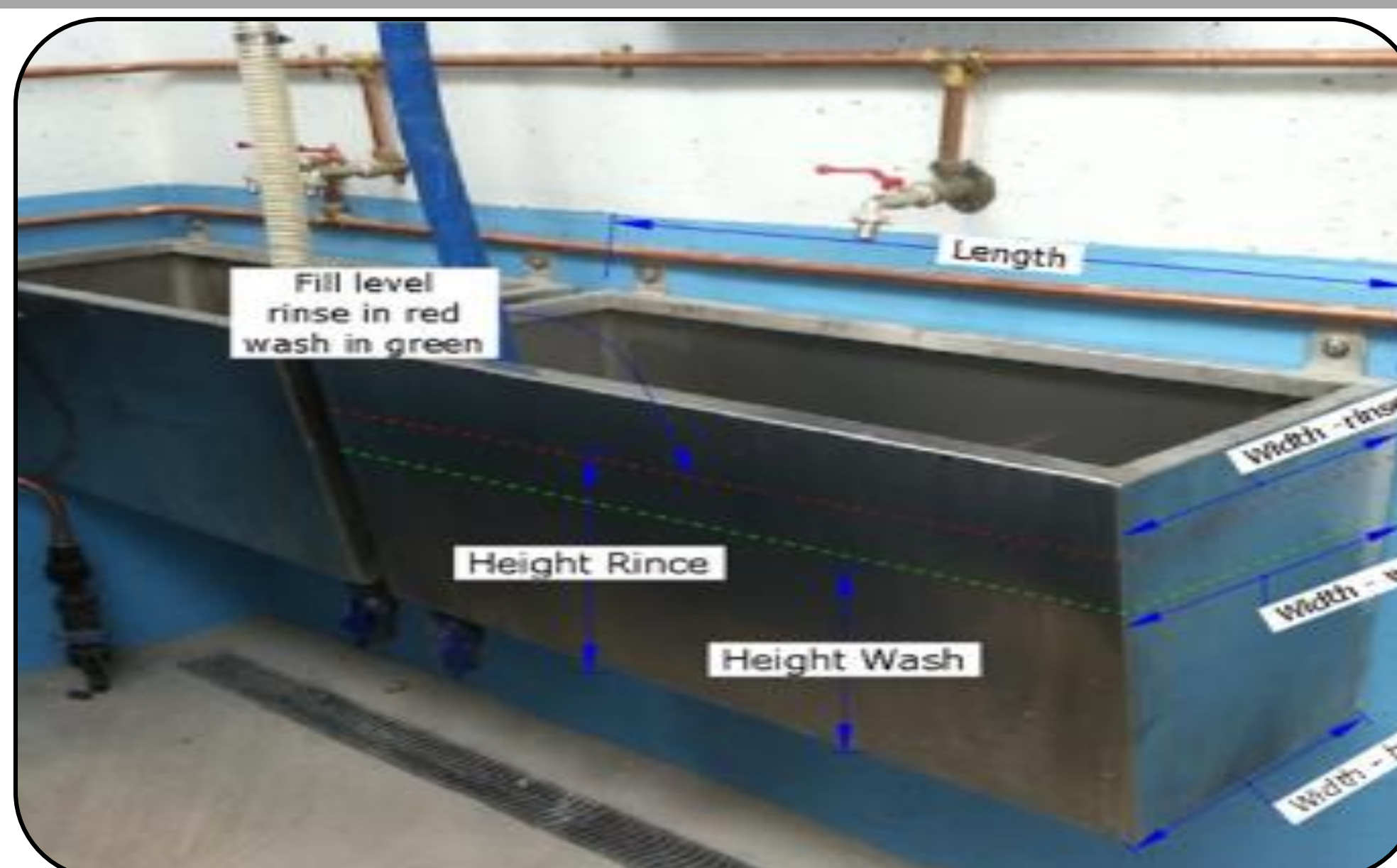


# What are the necessary elements of an effective wash routine?



## Volume of solution

Measure the trough (cm):

$$\frac{L \times W \times H = \text{cm}^3}{1000} = \text{litres}$$

Repeat measurement for both rinse volume and wash volume (to water mark)

## Solution concentration

Detergent usage rate with hot water (225 ml per 45 l)

100 litres of water  
× 0.5% = 500 ml detergent  
1% required with cold water

## Correct chemical choice

- Caustic detergent – fats & proteins
- Acid descaler – water minerals
- Peracetic acid – disinfectant
- 'One for all'

## Solution temperature

Start: 75 - 80°C (trough)

End: 45 - 50°C

## Circulation time

8 – 10 minutes maximum duration

## Take home message

- Correct solution volume, concentration, temperature and circulation time are critical for effective washing