













Learning Objective: To solve a number puzzle to work out how much water is used for household activities

Use the calculations on the right to find how many litres of water is used for each activity listed on the left. Include your unit of measure! (litres)

Washing hands		=	<input type="text" value="2 L"/>
Brushing teeth		=	<input type="text"/>
Flushing the toilet		=	<input type="text"/>
Washing dishes (in a dishwasher)		=	<input type="text"/>
Short shower (4 minutes)		=	<input type="text"/>
Laundry		=	<input type="text"/>
Bath		=	<input type="text"/>
Long shower (10 minutes)		=	<input type="text"/>
Watering the garden (with a hose)		=	<input type="text"/>
Washing the car (with a hose)		=	<input type="text"/>

$$\text{washing hands} + \text{washing hands} + \text{washing hands} = \text{toothbrush}$$

$$\text{toothbrush} \times \text{washing hands} = \text{toilet}$$

$$\text{toilet} + \text{washing hands} = \text{dishwasher}$$

$$10 \times \text{toothbrush} - 10 = \text{washing machine}$$

$$\text{washing machine} - 10 = \text{showerhead}^4$$

$$\text{washing hands} \times \text{showerhead}^4 = \text{bathtub}$$

$$\text{washing hands} \times \text{washing machine} = \text{showerhead}^{10}$$

$$\text{showerhead}^{10} \times 3 = \text{car}$$

$$\text{washing machine} \times 5 = \text{hose watering plants}$$