

Water Efficiency Maths – Bathroom



Three circular icons of a toilet with a purple hippo in the tank, each followed by a plus sign, then an equals sign and the text "18 litres".

$$3 \times \text{Toilet} = 18 \text{ litres}$$



A circular icon of a toilet with a purple hippo in the tank, followed by a plus sign, a circular icon of a toothbrush and a glass of water, followed by a plus sign, then an equals sign and the text "12.5 litres".

$$\text{Toilet} + \text{Toothbrush} + \text{Glass} = 12.5 \text{ litres}$$



Two circular icons of a person showering, each followed by a plus sign, then a circular icon of a toothbrush and a glass of water, followed by an equals sign and the text "56.5 litres".

$$2 \times \text{Showering} + \text{Toothbrush} + \text{Glass} = 56.5 \text{ litres}$$



Two circular icons of a person showering, followed by a plus sign, a circular icon of a toothbrush and a glass of water, followed by a minus sign, then two circular icons of a toilet with a purple hippo in the tank, followed by an equals sign and a blue circle containing a white question mark.

$$2 \times \text{Showering} + \text{Toothbrush} + \text{Glass} - 2 \times \text{Toilet} = ?$$

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Toilet with a HIPPO bag

Using a HIPPO bag can save 3 litres of water every time you flush your toilet.



Using a cup to rinse when cleaning your teeth

Filling a cup with water to rinse your toothbrush instead of leaving the tap running could save 17.5 litres of water.



4 Minute Shower

Taking a 4 minute shower (not a power shower) instead of a bath can save a whopping 52 litres of water! A 5 minute power shower can use the same amount of water as a bath – 80 litres.

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Answer

$$6 + 6 + 6 = 18$$

$$6 + 0.5 + 6 = 12.5$$

$$28 + 28 + 0.5 = 56.5$$

$$56 + 0.5 - 12 = 44.5$$