

Water Efficiency Maths – Kitchen



Three dishwasher icons, each containing a plate, a fork, and a knife, are arranged in a row. They are separated by plus signs. To the right of the third dishwasher is an equals sign followed by the text "30 litres".

$$3 \times \text{Dishwasher} = 30 \text{ litres}$$



A dishwasher icon is followed by a plus sign, then a sink faucet icon with three water droplets falling from it. This is followed by another plus sign and another sink faucet icon with three water droplets. To the right is an equals sign followed by the text "42 litres".

$$1 \times \text{Dishwasher} + 2 \times \text{Sink Faucet} = 42 \text{ litres}$$



A blue washing basin icon with a sponge and bubbles is followed by a plus sign, then a sink faucet icon with three water droplets. This is followed by another plus sign and another washing basin icon with a sponge and bubbles. To the right is an equals sign followed by the text "32 litres".

$$2 \times \text{Washing Basin} + 1 \times \text{Sink Faucet} = 32 \text{ litres}$$



Two dishwasher icons are shown overlapping, followed by a multiplication sign. This is followed by a plus sign, then a washing basin icon with a sponge and bubbles. This is followed by another plus sign and a sink faucet icon with three water droplets. To the right is an equals sign followed by a blue circle containing a white question mark.

$$2 \times \text{Dishwasher} + 1 \times \text{Washing Basin} + 1 \times \text{Sink Faucet} = ?$$

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Eco dishwasher

An eco dishwasher uses between 8 and 10 litres of water per cycle.



Washing-up Bowl

Washing the dishes in a bowl instead of in the sink saves around 4 litres of water.



Fixing a dripping tap

A dripping tap can waste around 16 litres of water in just one day!

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Answer

$$10 + 10 + 10 = 30$$

$$10 + 16 + 16 = 42$$

$$8 + 16 + 8 = 32$$

$$20 \times 8 + 16 = 176$$