## Invisible Water

Remember not to give the items to the children in order.

| Pair of jeans | 9,842 litres |
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| T-Shirt | 2,700 litres |
| Hamburger | 2,500 litres |
| Bar of <br> chocolate | 2,500 litres |
| Glass of milk | 208 litres |
| Cup of <br> coffee | 140 litres |
| Slice of <br> bread | 40 litres |

## Sheet of <br> 10 litres

 paper
## Teachers notes:

| Pair of <br> jeans | That's 130 bathtubs of water! <br> Jeans are mostly made from cotton. Water is needed to grow <br> the cotton, wash it, and dye it blue. During the process cotton <br> is spun into yarn, then dyed and rinsed several times to make <br> dye layers. The cotton is then coated with a starch to stiffen it <br> and woven with synthetic fibres into the denim material which <br> is then prewashed before sewing. <br> Each of these processes require a huge amount of water. This <br> is often freshwater taken from the environment and not put <br> back after production, or put back into the environment <br> without removing the chemicals and dyes used, therefore <br> polluting the water supply. |
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| 9,842 litres of water are only the amount used in the |  |
| production - that number doesn't include the water used the |  |
| hundreds of times you might wash the jeans after you wear |  |
| them. In fact, a typical pair of blue jeans consumes 4,177 litres |  |
| of water during its life cycle of washing and wearing. |  |$|$


|  | bean plants, sugar cane) that takes the biggest amount of water. |
| :---: | :---: |
| Glass of milk | A dairy cow needs water to drink but also animal feed and grass to eat, both of which require water. |
| Cup of coffee | That's almost 2 full bathtubs of water! <br> This is a standard espresso size serving. Coffee beans are green and roasted to turn them that recognisable black colour. The beans use a lot of water to grow. Also, water is often used to separate the coffee beans from their pulp after they've been harvested. <br> Instant coffee uses even more water in the production process as it involves using huge amounts of pressurised hot water to extract the flavour and smell for the granules. |
| Slice of bread | That's the same amount of liquid as 13 cans of juice! <br> Bread is made from a dough made of flour and water. However, you need lots of water to grow the wheat which is made into flour in the first place. This number reflects just one slice of bread, but we normally buy bread in loaves of several slices. <br> Bread is also one of the most wasted items in our kitchen - we throw away huge amounts of uneaten bread every day which wastes water! |
| Sheet of paper | The main ingredient of paper is wood pulp. Water is required for growing the wood trees and for processing the pulp into the finished paper product. <br> This number is for just one sheet of A4 paper - if we waste even just one sheet of paper we are wasting 10 litres of water. |

