

# The Tropical Rainforest Ecosystem

## Tropical Rainforest Data Shopping List

1. What is the average monthly rainfall in Manaus, Brazil?	2. The understorey occupies what height range in the tropical rainforest?
3. In which year (since 1988) was there the highest level of deforestation in the Brazilian Amazon?	4. What percent of Brazil land area is covered by the Brazilian Amazon?
5. How much more rainfall does Manaus receive compared to London in March?	6. Describe how the size of the Brazilian Amazon has changed over time
7. How many species are estimated to be found in the Brazilian rainforest?	8. How much rain falls on average in Manaus, Brazil in August?
9. How much taller is the emergent layer from the scrub layer?	10. How large was the Brazilian Amazon in 2009?
11. How many hours of sunlight a day might a tropical rainforest in the southern hemisphere receive in November?	12. How much tropical rainforest was lost in the Brazilian Amazon between 2000 and 2010?
13. What is the annual temperature range in Manaus, Brazil?	14. What is the general relationship between the size of a country's tropical rainforest and the amount of carbon it stores?
15. Large scale agriculture causes half as much deforestation as what?	16. What is the percentage difference between rainfall in Manaus and London in December?

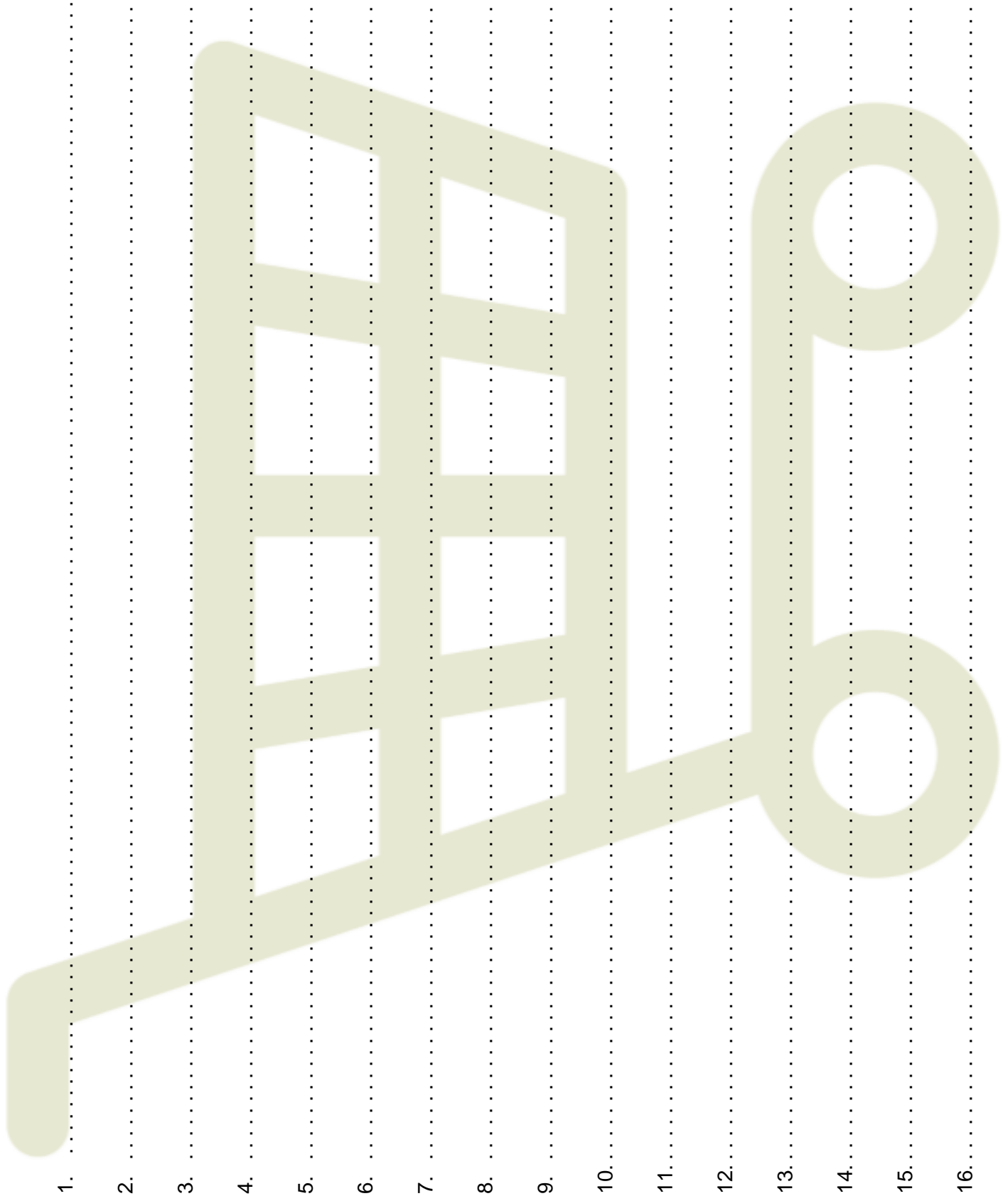
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# The Tropical Rainforest Ecosystem Data Shopping Trolley

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# The Tropical Rainforest Ecosystem

## Data Supermarket Answers

1. The average monthly rainfall in Manaus is 179mm.	2. The understorey occupies the 17 to 29m height range.
3. The highest amount of deforestation in the Brazilian Amazon took place in 1995.	4. 48 percent of Brazil's land area is covered by the Brazilian Amazon.
5. Manaus receives 249mm more rainfall than London in March.	6. The size of the Brazilian Amazon steadily decreased until 2009 when the size began to plateau.
7. 3 million species are estimated to be found in the Brazilian rainforest.	8. 56mm of rain falls on average in Manaus Brazil.
9. The emergent layer is typically 35m taller than the scrub layer.	10. In 2009, the Brazilian Amazon was roughly 3,375,000km <sup>2</sup> in size
11. A tropical rainforest in the southern hemisphere may receive 13 hours of sunlight a day in November.	12. Roughly 184,000 km <sup>2</sup> of tropical rainforest was lost in Brazil between 2000 and 2010.
13. The annual temperature range in Manaus, Brazil is 1.3°C.	14. Generally, the bigger the size of a country's tropical rainforest, the more carbon it stores.
15. Large scale agriculture causes half as much deforestation as small scale agriculture.	16. Manaus receives 280% more rainfall than London in December.