

# KS2 Maths Quiz: help sheet

The questions on page 2 onwards can be answered whilst exploring the beautiful Botanical Gardens, which have been open for visitors to enjoy for nearly 200 years! The map below shows where the answer for each question can be found. Each question also has a picture with it, so that you can identify the correct location.



For further information, or to make us aware of any inaccuracies with this quiz, please contact: [education@birminghambotanicalgardens.org.uk](mailto:education@birminghambotanicalgardens.org.uk)

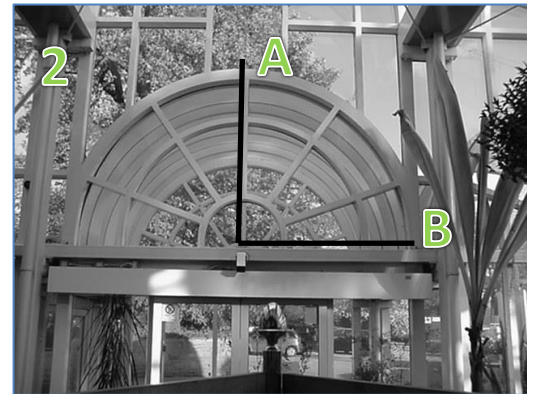


# KS2 Maths Quiz

1. The Gardens re-opened on a Saturday. What day of the week was May 1<sup>st</sup> 1988?



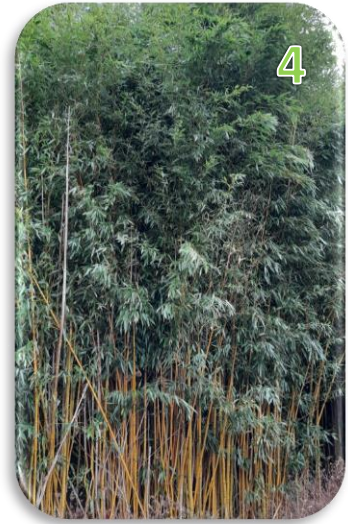
2. What is the angle between the lines marked A and B?



3. What is the current temperature in the Subtropical Glasshouse?



4. Some species of bamboo can grow to be 30 metres tall and can grow as quickly as a metre a day. How many months would it take the bamboo to reach its maximum height?



5. How many benches are there around this tree? What shape do they make?



6. How many rhombus shapes can you count in the bricks on the playground end wall of the Teulon Cottage?



7. What shape is the ice-cream hut at this end of the playground?



8. Calculate how many small square window panes there are in our Bandstand, without counting them all (don't count the little basement window)?



9. For how many years did the fountain flow before it stopped in 1940?



10. Multiply how many questions there are in this quiz to the number of letters in the statement "I've had a great day at Birmingham Botanical Gardens!"



# KS2 Maths Quiz: Answers

1. Sunday (30<sup>th</sup> April 1988 was a Saturday, so May 1<sup>st</sup> was a Sunday) (**Extension**: how many years has it been since the Gardens re-opened?)
2. 90° (a right angle)
3. Depends – thermometer on door frame near Japanese Garden entrance
4. 1 month
5. 6 – a hexagon (**Extension**: what is a 5-sided shape called? Pentagon)
6. 30 (each of the 6 patterns show 5 rhombuses, 4 small inside 1 large)
7. Octagonal (8 sides)
8. 60 (2 panels of 4x4 + 1 panel of 7x4)
9. 90 years – 1850-1940 (**Extension**: how many years has it been since the water stopped flowing in 1940?)
10. 430 (= 10 X 43)

