

Key Stage 2 Maths Trail Answers

Q	Answer	Comments
1	30°	90° ÷ 3 (Some children may have simply recognised that the angle is acute)
2	Saturday	Something like: 1+7+7+7+7 = Friday 29th
3	See current charge	The significance of Sophie's birthday is that she's over 5 and pays to get in.
4	Depends	Temperature varies from 10°C to 27°C.
5	South West (180 °)	The directions are approximate
6	(a) 120 years old (b) Depends	Work out (b) from 180 + (this year – 2009)
7	Various	
8	6 layers 46 bricks (276 altogether)	The method assumes the same number of bricks per layer, to count misses the point!
9	6; hexagon	Regular hexagon if you like
10	10	Each of the two patterns show 5 rhombuses, 4 small inside 1 large
11	Squares, rectangles, triangles, etc.	Note symmetry in the patterns
12	8 rails maybethe children can have fun investigating possible answers. What if each child holds 2 rails or every other child holds 2 rails?
13	131	Well....we counted 131 but the apparatus was buried under mixed infants at the time.....
14	Depends	This year - 1895
15	90 years	1940 – 1850
16	Lots!	Will you ask for 2D and 3D shapes?

Please note:

These are not always hard and fast. Prices change, temperatures change and some questions depend on debate. But best of all, you and your pupils may have your own ideas about how to tackle a particular question.

If you don't already have a maths trail around your own school grounds or locality, then we hope that this trail gives you some ideas.

Meanwhile, enjoy the Botanical gardens trail and may the sun shine on you!

THE BIRMINGHAM
BOTANICAL
GARDENS
TURN OVER A NEW LEAF