

## Answer keys: MK 2009, Level 5 (Grades 9-10)

1. E Which of the following number ...
2. C What is the minimum number ...
3. A 2009 people are taking part ...
4. B Harry does his paper round ...
5. D The product of four different ...
6. C What is the value of ...
7. D A long number is build ...
8. C The diagram on the right ...
9. B For how many positive whole ...
10. B The area of the shown ...
11. E Leonhard made up a sequence ...
12. B In the triangle illustrated one ...
13. E Maria can achieve 0, 1, ...
14. B The "Borromaeic Rings" have an ...
15. C On the island of the ...
16. C If and , then x ...
17. E The centres of the four ...
18. C The difference of  $\sqrt{n}$ ) and ...
19. D Friday writes different positive whole ...
20. A There are three great circles ...
21. C How many Os have to ...
22. C How many 10-digit numbers exist ...
23. E If  $a = 2^{25}$ , b ...
24. C All factors of a number ...
25. B Kangoo has 2009 unit dice ...
26. A Robert wants to place stones ...
27. C A number of oranges, peaches, ...
28. B What is the smallest whole ...
29. A A kangaroo is sitting in ...
30. D A single digit prime number ...

### Useful links

1. Math Kangaroo resources: <https://boo9.com/resources/math-kangaroo>
2. Practice online (automated grading) @ <https://boo9.com/practice>
3. View these questions online @ [click here](#)
4. Video solution (all problems this set): [ coming soon ... ]
5. Playlist (all videos this level): [click here](#)



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