Answer keys: MK 2015, Level 6 (Grades 11-12)

1. **E** Andrea was born sometime in ...
2. **A** \((a - b)^3 + (b ...
3. **A** How many real solutions has ...
4. **A** Diana produces a bar chart ...
5. **D** If you add all the ...
6. **D** How many of the following ...
7. **B** A quadrilateral is called convex ...
8. **E** A drinking glass is made ...
9. **C** The diameters of three semi-circles ...
10. **B** A square bit of paper ...
11. **C** \(\sqrt{(2015 + 2015) + (2015 ...
12. **D** The x-axis and the graphs ...
13. **E** Ella wants to write a ...
14. **C** We know the following about ...
15. **B** The geometric mean of n ...
16. **A** The diagram shows three concentric ...
17. **C** In the past 20 years ...
18. **C** Bibi rolls a die which ...
19. **C** There are 2015 marbles in ...
20. **A** On a standard die the ...
21. **D** Statements (A) - (E) are ...
22. **A** The curve in the diagram ...
23. **D** The following table is the ...
24. **C** How many regular n-sided shapes ...
25. **E** How many three-digit whole numbers ...
26. **D** How many different triangles ABC ...
27. **C** In the rectangle ABCD pictured, ...
28. **B** On a board there are ...
29. **D** The 96 members of a ...
30. **D** Independently from each other Bill ...

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