# Answer keys: MK 2017, Level 6 (Grades 11-12)

1. **B**   On the number wall shown ...
2. **A**   Many model railways use the ...
3. **C**   In the diagram we see ...
4. **A**   Two positive numbers a and ...
5. **C**   Four of the following five ...
6. **B**   The diagram shows a circle ...
7. **A**   A 4 x 1 x ...
8. **C**   Which quadrant contains no points ...
9. **B**   In each of the five ...
10. **B**   The graph of which of ...
11. **A**   Three circles with centres A, ...
12. **B**   The positive number p is ...
13. **E**   Two cylinders A and B ...
14. **D**   Each face of the polyhedron ...
15. **B**   The four faces of a ...
16. **D**   The polynomial \(5x^3 + ax^2 ...
17. **E**   Julia has 2017 round discs ...
18. **C**   Two consecutive positive whole numbers ...
19. **D**   In a convex quadrilateral ABCD ...
20. **D**   Lilli tries to be a ...
21. **C**   How many positive whole numbers ...
22. **E**   The diagram shows a regular ...
23. **E**   We look at the sequence ...
24. **D**   We look at a regular ...
25. **E**   The sum of the three ...
26. **D**   Anna has five boxes, as ...
27. **D**   Nine whole numbers were written ...
28. **A**   How big is \(x + ...
29. **E**   How many different three-digit numbers ...
30. **A**   2017 people live on an ...

## 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