

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 $A = 4 \times 1 \times \dots$
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, a ...
27. D Nine whole numbers were written ...
28. A How big is $\sqrt{x} + \dots$
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](#)



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