

# Answer keys: MK 2019, Level 6 (Grades 11-12)

1. A The flag of Kangoraland is ...
2. E The numbers 1, 2, 3 ...
3. E A rectangle is coloured in ...
4. D Three triangles are connected to ...
5. C A pyramid has 23 triangular ...
6. B Three four-digit numbers are written ...
7. B Reading from the left, what ...
8. D How many of the numbers ...
9. C Each side of a die ...
10. E Every day the three kangaroos ...
11. D Which is the highest power ...
12. B In this school year the ...
13. E A cuboid-shaped container that is ...
14. D Michael invents a new operation ...
15. D The system shown consists of ...
16. C A positive integer  $\backslash(n\backslash)$  is ...
17. A There are five balls in ...
18. B The diagram shows two adjoining ...
19. A What is the biggest integer ...
20. C The points of intersection of ...
21. B Let  $a$  be the sum ...
22. B Which is the set of ...
23. E In order to determine the ...
24. E Consider a cube. How many ...
25. A Four different straight lines go ...
26. D For how many integers  $\backslash(n\backslash)$  ...
27. E A path  $\backslash(DEFB\backslash)$  with  $\backslash(DE$  ...
28. C The sequence  $\backslash(a\_1, a\_2, a\_3, \dots$
29. D Three circles with radius 2 ...
30. C numbers are to be placed ...

## 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](#)

