Answer keys: MK 2021, Level 6 (Grades 11-12)

1. **E** [video] Paula's weather app shows a ...
2. **A** [video] How many integers are in ...
3. **D** [video] A cube with edge 1 ...
4. **E** [video] A large square is divided ...
5. **A** [video] After the storm last night, ...
6. **B** [video] A rectangular sheet of paper ...
7. **E** [video] Let $x = \frac{\pi}{4}$. Which ...
8. **C** [video] How many 3-digit-numbers formed using ...
9. **C** [video] What is the area of ...
10. **D** [video] The parabola in the figure ...
11. **D** [video] What fraction of all the ...
12. **D** [video] If $A =]0,1[\cup]2,3[$ and ...
13. **D** [video] How many three-digit natural numbers ...
14. **A** [video] The first 1000 positive integers ...
15. **C** [video] A large triangle is divided ...
16. **C** [video] An infinite list of numbers ...
17. **B** [video] In the 5x5 square shown ...
18. **B** [video] A piece of string is ...
19. **E** [video] A naughty pup grabs the ...
20. **C** [video] The diagram shows three squares, ...
21. **E** [video] The figure shows the graph ...
22. **B** [video] The numbers 1, 2, 7, ...
23. **E** [video] The function f is such ...
24. **D** [video] Five kangaroos named A, B, ...
25. **B** [video] The solid shown in the ...
26. **A** [video] On a circle 15 points ...
27. **A** [video] A triangle ABC is divided ...
28. **C** [video] Two plane mirrors OP and ...
29. **B** [video] Let $M(k)$ be the maximum ...
30. **B** [video] A certain game is won ...

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): click here
5. Playlist (all videos this level): click here