

Answer keys: MK 2024, Level 6 (Grades 11-12)

1. **C** The angles in a triangle ...
2. **C** A tile pattern is made ...
3. **C** Which of the following numbers ...
4. **E** A kangaroo cuts a pizza ...
5. **D** Julia has the strange habit ...
6. **D** Kaito has manipulated a die. ...
7. **A** Which of the following expressions ...
8. **B** There are 6 coins on ...
9. **B** Noah starts with the number ...
10. **B** There are black and dashed ...
11. **E** John has black and white ...
12. **A** In a square with side ...
13. **C** The diagram shows four squares ...
14. **A** We are given two positive ...
15. **C** The following shape is composed ...
16. **E** How many three-digit numbers are ...
17. **D** A teacher writes the 7 ...
18. **C** A beaver wants to colour ...
19. **C** We know of a positive ...
20. **A** Two candles of equal length ...
21. **C** A three-sided pyramid has edges ...
22. **D** A quadrilateral ABCD has two ...
23. **D** We have 6 cards and ...
24. **B** I have a four-digit number ...
25. **A** The diagram shows an object ...
26. **D** Sylvia has several fair 12-sided ...
27. **A** It is known that the ...
28. **E** A function $f: \mathbb{R} \rightarrow \mathbb{R}$...
29. **B** A special four-digit number \overline{abcd} ...
30. **A** A game board is composed ...

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](#)

