Answer keys: MK 2010, Level 6 (Grades 11-12)

1. **A** In the picture we see ...
2. **C** Which number goes in the ...
3. **D** The hollow spaces of two ...
4. **D** How many four-digit numbers, made ...
5. **D** The managing director of a ...
6. **B** In the box are seven ...
7. **D** The triangle pictured is right-angled. ...
8. **E** Which of the following numbers ...
9. **A** How many two-digit numbers with ...
10. **A** In the figure the square ...
11. **E** The numbers $\sqrt{7}, \sqrt[3]{7} \text{ ...}$
12. **C** The chord AB touches the ...
13. **C** The integers x and y ...
14. **A** The big equilateral triangle consists ...
15. **A** In a bag are blue, ...
16. **A** Which of the following graphs ...
17. **B** If we connect three cornerpoints ...
18. **E** Each star in the expression ...
19. **A** The side-lengths of a triangle ...
20. **C** A strip of paper is ...
21. **B** Lines drawn parallel to the ...
22. **D** 100 people take part in ...
23. **D** I roll an ordinary die ...
24. **E** A barcode as pictured is ...
25. **B** The picture shows a tile ...
26. **B** The numbers from 1 to ...
27. **C** The expression $\dfrac{(2 + 3)(2^2 \text{ ...}}$
28. **E** is written as a decimal. ...
29. **A** A function maps all positive ...
30. **C** On the two catheti of ...

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