

## 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  $\sqrt{7}$ ,  $\sqrt[3]{7}$  ...
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  $\frac{(2+3)(2^2-1)}{2}$  ...
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](#)



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