Answer keys: MK 2011, Level 5 (Grades 9-10)

1. **B** A zebra crossing has alternating ...
2. **C** The area of the grey ...
3. **D** Given are the following expressions ...
4. **A** In the picture on the ...
5. **E** If 2011 is divided by ...
6. **C** A rectangle with area \(360 ...
7. **D** All four-digit numbers whose digit ...
8. **C** The two bold lines on ...
9. **C** Given are a regular hexagon ...
10. **E** In the picture on the ...
11. **B** In a certain month there ...
12. **B** Three racers take part in ...
13. **A** How big is n, if ...
14. **B** I have got two cubes ...
15. **C** A marble of radius 15 ...
16. **D** The cells of the \(4 ...
17. **D** What is the biggest number ...
18. **D** Nick wants to write whole ...
19. **C** Jan cannot draw very accurately ...
20. **B** In the triangle WXY points ...
21. **C** Simon has a cube with ...
22. **C** The five-digit number \(abcde\) is ...
23. **B** The numbers x and y ...
24. **C** Given is a regular tetrahedron ...
25. **B** Three big boxes P, Q ...
26. **D** How many ordered pairs of ...
27. **B** For a positive whole number ...
28. **C** The two circles shown on ...
29. **C** In how many ways can ...
30. **E** Determine all n (1 \(\le\) ...

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