

# Answer keys: MK 2024, Level 5 (Grades 9-10)

1. **E** Which of the shown squares ...
2. **A**  $\frac{2}{20} \times 0.24 \times 2.4$  ...
3. **D** The number of points on ...
4. **C** A type of hopscotch is ...
5. **B** Tim wants to draw the ...
6. **B** The diagram shows a square ...
7. **D** Let  $a$  and  $b$  be ...
8. **D** John has a number of ...
9. **A** We draw a square with ...
10. **B** Ardal fences a rectangular plot ...
11. **E** A palindrome number is a ...
12. **B** A rectangle is split into ...
13. **B** Jelena fills the  $2 \times 4$ -table shown ...
14. **D** Sanjay has three differently coloured ...
15. **B** The daughter of Mary's daughter ...
16. **C** A point P is chosen ...
17. **B** A number is written into ...
18. **D** Jean-Philippe has  $n^3$  cubes of ...
19. **A** Otis builds the net of ...
20. **C** Vlado has participated in 31 ...
21. **E** How many integers  $k$  have ...
22. **C** There are four bowls with ...
23. **E** Cristina has 12 cards numbered ...
24. **A** Carl tells the truth on ...
25. **C** The sum of the digits ...
26. **D** Jill has some black and ...
27. **D** Ann rolled an ordinary die ...
28. **A** Olga was walking in the ...
29. **C** 20 points are distributed equally ...
30. **B** Consider  $n$  different straight lines ...

## 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](#)

