

## Answer keys: MK 2018, Level 5 (Grades 9-10)

1. C Every child in my family ...
2. C The rings shown are partially ...
3. C In a triangle one side ...
4. C The distance between the top ...
5. E The sum of 5 consecutive ...
6. A In the three regular hexagons ...
7. B Maria wants to divide 42 ...
8. B In the (correct) calculation shown, ...
9. A How big is the sum ...
10. B In the diagram shown, you ...
11. D The entrances of two student ...
12. D 105 numbers are written in ...
13. B Eight congruent semi-circles are drawn ...
14. E On one particular day there ...
15. B At a humanistic university you ...
16. A Peter wants to buy a ...
17. D How many three-digit numbers are ...
18. E How often does the summand ...
19. D How many digits has the ...
20. A In a regular 2018-sided shape ...
21. B Some whole numbers are written ...
22. C Given are four positive numbers. ...
23. E The points  $\{A_0, A_1, A_2, \dots\}$
24. C Two concentric circles with radii ...
25. D A number is to be ...
26. D Diana draws a rectangle made ...
27. A Seven little dice were removed ...
28. D Every number of the set ...
29. C Ed forms a big die ...
30. D Two chords  $\{AB\}$  and  $\{AC\}$  ...

### 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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