Answer keys: MK 2009, Level 6 (Grades 11-12)

1. **E**   There are 200 fish in ...
2. **A**   Which of the following numbers ...
3. **B**   For how many postive whole ...
4. **C**   Mari, Ville and Ossi are ...
5. **C**   The diagram on the right ...
6. **D**   The circles k_1 (with centre ...
7. **D**   In a draw there are ...
8. **E**   The suare in the diagram ...
9. **D**   Each side of a triangle ...
10. **D**   In the diagram on the ...
11. **B**   A (very small) ball is ...
12. **B**   In a group of 2009 ...
13. **B**   In the diagram to the ...
14. **C**   On the island of the ...
15. **E**   Determine the unit digit of ...
16. **A**   An equilateral triangle with side ...
17. **A**   The adjacent diagram illustrates the ...
18. **D**   100 students take an exam ...
19. **D**   In the diagram on the ...
20. **D**   The sum of the number ...
21. **D**   Two runners each run with ...
22. **C**   Let Z be the amount ...
23. **C**   How many 10-digit numbers exist ...
24. **B**   For how many whole numbers ...
25. **B**   55 pupils are taking part ...
26. **A**   In a rectangle JKLM the ...
27. **B**   If $k = \dfrac{a}{b + ...}$
28. **C**   The number 1, 2, 3, ...
29. **B**   Samantha and her three sisters ...
30. **B**   A sequence of whole numbers ...

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