



## 33<sup>rd</sup> International Kangaroo Mathematics Contest – 2023

The international ranking is given in percentile.

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| Class | 4 | Marks Obtained | Percentile |
|-------|---|----------------|------------|
|       |   | 120            | 98.4       |
|       |   | 115            | 98.2       |
|       |   | 114            | 98.0       |
|       |   | 111            | 97.7       |
|       |   | 110            | 97.2       |
|       |   | 107            | 97.0       |
|       |   | 106            | 96.7       |
|       |   | 105            | 95.9       |
|       |   | 104            | 95.5       |
|       |   | 103            | 95.4       |
|       |   | 102            | 95.2       |
|       |   | 101            | 95.0       |
|       |   | 100            | 94.6       |
|       |   | 99             | 94.1       |
|       |   | 98             | 93.8       |
|       |   | 97             | 93.6       |
|       |   | 96             | 93.3       |
|       |   | 95             | 92.8       |
|       |   | 94             | 92.5       |
|       |   | 93             | 91.9       |
|       |   | 92             | 91.7       |
|       |   | 91             | 91.2       |
|       |   | 90             | 90.8       |

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### What is percentile?

It is not percentage. If your international ranking is 76.2 for example, this means that you are better than 76.2% students all over the world who participated in this contest at your level. In other words, you are among the top 23.8% at the international level.



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| Class | 4 | Marks Obtained | Percentile |
|-------|---|----------------|------------|
|       |   | 89             | 89.7       |
|       |   | 88             | 89.2       |
|       |   | 87             | 88.7       |
|       |   | 86             | 88.3       |
|       |   | 85             | 87.5       |
|       |   | 84             | 86.3       |
|       |   | 83             | 85.5       |
|       |   | 82             | 84.7       |
|       |   | 81             | 84.2       |
|       |   | 80             | 83.5       |
|       |   | 79             | 82.8       |
|       |   | 78             | 82.1       |
|       |   | 77             | 81.4       |
|       |   | 76             | 80.8       |
|       |   | 75             | 79.9       |
|       |   | 74             | 79.1       |
|       |   | 73             | 78.0       |
|       |   | 72             | 77.2       |
|       |   | 71             | 76.4       |
|       |   | 70             | 75.5       |
|       |   | 69             | 74.5       |
|       |   | 68             | 73.7       |
|       |   | 67             | 72.5       |

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| Class | 4 | Marks Obtained | Percentile |
|-------|---|----------------|------------|
|       |   | 66             | 71.5       |
|       |   | 65             | 70.5       |
|       |   | 64             | 69.4       |
|       |   | 63             | 68.4       |
|       |   | 62             | 67.3       |
|       |   | 61             | 66.2       |
|       |   | 60             | 65.2       |
|       |   | 59             | 63.9       |
|       |   | 58             | 62.3       |
|       |   | 57             | 61.1       |
|       |   | 56             | 59.9       |
|       |   | 55             | 58.5       |
|       |   | 54             | 56.7       |
|       |   | 53             | 55.3       |
|       |   | 52             | 53.6       |
|       |   | 51             | 52.0       |
|       |   | 50             | 50.5       |
|       |   | 49             | 49.0       |
|       |   | 48             | 47.0       |
|       |   | 47             | 45.1       |
|       |   | 46             | 43.6       |
|       |   | 45             | 41.9       |
|       |   | 44             | 40.2       |

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| Class | 4 | Marks Obtained | Percentile |
|-------|---|----------------|------------|
|       |   | 43             | 38.2       |
|       |   | 42             | 36.7       |
|       |   | 41             | 35.2       |
|       |   | 40             | 33.3       |
|       |   | 39             | 31.6       |
|       |   | 38             | 29.5       |
|       |   | 37             | 27.7       |
|       |   | 36             | 26.0       |
|       |   | 35             | 24.2       |
|       |   | 34             | 22.2       |
|       |   | 33             | 20.2       |

**Note:**

If you scored 32 or less in 33<sup>rd</sup> IKMC 2023 then your international ranking is in 20<sup>th</sup> percentile or less.

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