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**Worksheet: 'Number Play'**

IGCSE · Class 6 · Mathematics · 4 questions · 4 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 4

**Q1.** Is 1221 a palindrome? What about 1232? *[1 mark]*

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**Q2.** Find the digit sum of 9,99,999. *[1 mark]*

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**Q3.** Apply the Kaprekar routine to 1000 and count the steps to 6174. *[1 mark]*

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**Q4.** In a  $3 \times 3$  grid, the centre cell has value 50. Its 8 neighbours are 45, 48, 42, 55, 40, 38, 52, 47. Is the centre a supercell? *[1 mark]*

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