

## Worksheet: Number Play

ISC · Class 8 · Mathematics · 5 questions · 13 marks

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

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

Score: \_\_\_\_\_ / 13

**Q1.** Is 13,572 divisible by 6? *[1 mark]*

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**Q2.** What is the 10th Fibonacci number? *[1 mark]*

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**Q3.** Using Vedic method, compute  $85^2$ . *[3 marks]*

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**Q4.** Find the magic constant for a  $5 \times 5$  magic square containing numbers 1 to 25. *[3 marks]*

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**Q5.** (a) Find the sum  $1 + 2 + 3 + \dots + 200$ . (b) Find the sum of squares  $1^2 + 2^2 + 3^2 + \dots + 20^2$ . (c) Find the sum of cubes  $1^3 + 2^3 + 3^3 + \dots + 10^3$ . *[5 marks]*

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