

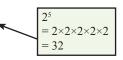
## Mental Computation

## Year 10 Mathematics

End Term 2

## **Mental computation (End Term 2)**

- 1 Spell Quadratic.
- 2 List all possible outcomes for tossing 3 coins
- **3** P(2 tails and a head)
- **4** What is the quadratic formula?
- 5  $3x^2 2x 1 = 0$ . What are the values of a, b, and c?
- 6 Factorise  $x^2 + 7x + 6$
- 7 What is the value of:  $Log_2 8$
- 8 Solve: x + y = 9, xy = 18
- 9 -2 -4
- 10 Evaluate 2<sup>5</sup>?



# Sample

### **Mental computation (End Term 2)**

- 1 Spell Probability
- 2 List all possible outcomes for a family of three children
- **3** P(2 girls and a boy)
- 4 What is the quadratic formula?
- 5  $x^2 3x + 4 = 0$ . What are the values of a, b, and c?
- 6 Factorise  $x^2 5x + 6$
- 7 What is the value of: Log<sub>3</sub>9
- 8 Solve: x + y = 11, xy = 28
- 9 -5 -1
- 10 Evaluate 3<sup>3</sup>?

# Sample &

### **Mental computation (End Term 2)**

- 1 Spell Conditional
- 2 List all possible outcomes for tossing three coins
- **3** P(3 heads)
- 4 What is the quadratic formula?
- 5  $2x^2 x + 5 = 0$ . What are the values of a, b, and c?
- **6** Factorise  $x^2 + 3x 10$
- 7 What is the value of: Log<sub>4</sub>16
- 8 Solve: x + y = 13, xy = 42
- 9 -3 5
- 10 Evaluate 4<sup>3</sup>?

