



# Mental Computation

## Year 8 Mathematics

End Term 1

### Mental computation (End Term 1)

- 1 Spell integer.
- 2 What is the value of  $2x - 3$ , if  $x = 4$ ?
- 3  $7 - ^{-}4$
- 4  $^{-}5 \times ^{-}3$
- 5 Simplify:  $6n - 3n$ .
- 6 A 6-sided die is tossed, what is  $P(<3)$ ?
- 7 Distribute:  $2(5a + 2)$ .
- 8 Factorise:  $4x + 8$ .
- 9  $P(\text{winning}) = 0.6$ , what is  $P(\text{not winning})$ ?
- 10 Simplify:  $x^5 \times x^2$

Sample 1

### Mental computation (End Term 1)

- 1 Spell probability.
- 2 What is the value of  $3x - 5$ , if  $x = 3$ ?
- 3  $7 - ^{-}3$
- 4  $7 \times ^{-}3$
- 5 Simplify:  $8m - 2m$ .
- 6 A 6-sided die is tossed, what is  $P(<4)$ ?
- 7 Distribute:  $3(3d + 2)$ .
- 8 Factorise:  $6h + 10$ .
- 9  $P(\text{winning}) = 0.35$ , what is  $P(\text{not winning})$ ?
- 10 Simplify:  $x^3 \times x^4$

Sample 2

### Mental computation (End Term 1)

- 1 Spell factorise.
- 2 What is the value of  $4x - 3$ , if  $x = 2$ ?
- 3  $^{-}7 + 2$
- 4  $^{-}4 \div ^{-}2$
- 5 Simplify:  $7c - 3c$ .
- 6 A 6-sided die is tossed, what is  $P(>4)$ ?
- 7 Distribute:  $3(2b + 4)$ .
- 8 Factorise:  $5a + 20$ .
- 9  $P(\text{winning}) = 0.25$ , what is  $P(\text{not winning})$ ?
- 10 Simplify:  $x^3 \times x^2$

Sample 3