

Simplifying Expressions

Section A

Simplify the following:

- 1) $a + 5a + 2a + 3a$
- 2) $3a \times 4$
- 3) $7b - 2b + 3b + 4b$
- 4) $8b \div 2$
- 5) $2c + 4c - 3c + 5c$

Section C

Simplify the following:

- 1) $5(a + 3)$
- 2) $3(b + 4)$
- 3) $6(c - 2)$
- 4) $4(d - 5)$
- 5) $3(2e + 4)$
- 6) $7(6f - 2)$
- 7) $8(3 - 2g)$
- 8) $9(7 + 4h)$

Section B

Simplify the following:

- 1) $3a + 2b + 4c + 2a$
- 2) $5c + 2d + 3c + 4d$
- 3) $2b - b + 4a - 3c$
- 4) $5a + 2b + 6a - 2b$
- 5) $8h - 4g + 5g + 2h =$
- 6) $7b + 6a - 5b + 3a =$
- 7) $5k + 4j - 3k + 6j =$
- 8) $3a + 2a - 5a + b =$

Extension

Work out what each of the bricks at the bottom simplify to, then add the 2 bricks next to each other to give the brick above them.

