

1. (a) Simplify $4 \times p$
 (b) Simplify $p \times q$
 (c) Simplify $4 \times p \times q$
2. Some practice questions and a student's answers are written in the table below.

Question	OK answer	Your more mathematical answer
Simplify $v \times v$	vv	
Simplify $3w - 4w$	$-1w$	
Simplify $4 \times r \times q$	$4rq$	

Write each answer more mathematically in the table.

3. The teacher wrote simplify $n + n + n$
 Maisa wrote $3n$
 Is Maisa correct?
4. Simplify $x \times x \times x \times x \times x$
5. (a) Complete this method to **simplify** $y^5 \times y^2$

$$y^5 \times y^2$$

$$y \times y \times y \times y \times y \times$$

- (b) Complete this method to **simplify** $b^6 \times b$

$$b^6 \times b$$

$$b \times b \times b \times b \times b \times b \times$$

6. (a) Simplify $4a \times 2$
 (b) Simplify $2 \times 4a$
 (c) Simplify $2 \times a \times 4$
7. (a) Simplify $e^7 \times e^3$
 (b) Simplify $y^6 \times y$

8. (a) Simplify $a \times 4d$
(b) Simplify $4a \times d$
(c) Simplify $2x \times 3y$
(d) Simplify $3y \times 2x$
9. (a) Simplify $4a \times a$
(b) Simplify $2x \times 3x$
10. (a) Simplify $\frac{n^4}{n}$
(b) Simplify $y^8 \div y^3$
11. (a) Simplify $x^5y \times 4xy$
(b) Simplify $2a^5b \times 3ab^3$
12. (a) Simplify $\frac{14e^5f^2}{7e^3f}$
(b) Simplify $\frac{3c^5d^3}{9c^3d^5}$
13. (a) Simplify $(n^2)^4$
(b) Simplify $(a^3f^2)^4$
14. (a) Simplify $(3y)^3$
(b) Simplify $(2y^3)^3$