1. Simplify

    (i) $c + c + c + c$

    _____4 c_____

    (ii) $p \times p \times p \times p$

    _____p^4_____

    (iii) $3g + 5g$

    _____8 g_____

    (iv) $2r \times 5p$

    _____10 rp_____

    (4)
    (Total 4 marks)

2. (a) Simplify $5p + 2q - 3p - 3q$

    _____$2p - q$_____

    (2)

    (b) Simplify

    (i) $3g + 5g$

    _____8 g_____

    (ii) $2r \times 5p$

    _____10 rp_____

    (2)
    (Total 4 marks)

3. (a) Simplify $y + y$

    _____2 y_____

    (1)

    (b) Simplify $p^2 + p^2 + p^2$

    _____$3p^2$_____

    (1)
    (Total 2 marks)

4. Simplify

(a) $c + c + c$

.... $3c$ ....

(1)

(b) $e + f + e + f + e$

.... $3e + 2f$ ....

(1)

(c) $2a + 3a$

.... $5a$ ....

(1)

(d) $2xy + 3xy - xy$

.... $4xy$ ....

(1)

(e) $3a + 5b - a + 2b + 8$

$2a + 7b + 8$

(2)

(Total 6 marks)

5. (a) Simplify

$$2x \times y \times 3$$

.... $6xy$ ....

(1)

(b) Simplify

$$5x + 3y - 2x + y$$

.... $3x + 4y$ ....

(2)

(c) Simplify $y \times y \times y$

.... y^3 ....

(1)

(Total 4 marks)

6.   (a)   Simplify $5bc + 2bc - 4bc$

_3bc_

(1)

   (b)   Simplify $4x + 3y - 2x + 2y$

_2x + 5y_

(2)

   (c)   Simplify $m \times m \times m$

_m^3_

(1)

   (d)   Simplify $3n \times 2p$

_6np_

(1)
(Total 5 marks)

7.   (a)   Simplify $a + a + a + a$

_4a_

(1)

   (b)   Simplify $3 \times b \times 4$

_12b_

(1)

   (c)   Simplify completely $4a + 5b - 2a + b$

_2a + 6b_

(2)
(Total 4 marks)

8.   (a)   Simplify $2a + 7b - 3b + a$

_3a + 4b_

(2)

   (b)   Simplify $x^3 + x^3$

_$2x^3$_

(1)
(Total 3 marks)

9.   (a)   Simplify $4p \times 5q$

$20pq$

(1)

(b)   Simplify $d \times d \times d \times d$

d^4

(1)
(Total 2 marks)

10.   Simplify

(i) $5g - 2g$

$3g$

(1)

(ii) $p \times p$

p^2

(1)
(Total 2 marks)

11.   (a)   Simplify $3p + 2q - p + 2q$

$2p + 4q$

(2)

(b)   Simplify $3y^2 - y^2$

$2y^2$

(1)

(c)   Simplify $5c + 7d - 2c - 3d$

$3c + 4d$

(2)

(d)   Simplify $4p \times 2q$

$8pq$

(1)
(Total 6 marks)

12. (a) Simplify $d + d + d + d + d$

5d

(1)

(b) Simplify $y^2 + y^2$

2y²

(1)

(c) Simplify

(i) $3a + 4b - 2a - b$

a + 3b

(2)

(ii) $5x^2 + 2x - 3x^2 - x$

2x² + x

(2)

(Total 6 marks)

13. (a) Simplify $4x + 7y + 2x - 3y$

6x + 4y

(2)

(b) Simplify $2pq + pq$

3pq

(1)

(Total 3 marks)

14. (a) Simplify

(i) $e + f + e + f + e$

3e + 2f

(1)

(ii) $p^2 + p^2 + p^2$

3p²

(1)

(Total 2 marks)

15. (a) Simplify

   (i) $e + f + e + f + e + f + e$

$\underline{4e + 3f}$

(1)

   (ii) $p^2 + p^2 + p^2$

$\underline{3p^2}$

(1)

(Total 2 marks)

16. (a) Simplify $2x + 2x$

$\underline{4x}$

(1)

   (b) Simplify $5y - 2y$

$\underline{3y}$

(1)

   (c) Simplify $2 \times 4p$

$\underline{8p}$

(1)

(Total 3 marks)

17. (a) Simplify $c + c + c$

$\underline{3c}$

(1)

   (b) Simplify $2e \times 3f$

$\underline{6ef}$

(1)

   (c) Simplify $9p + 2t - 2p + 3t$

$\underline{7p + 5t}$

(2)

(Total 4 marks)

18. (a)   Simplify $f+f+f+f-f$

_____ 3f _____
(1)

(b)   Simplify $2m \times 3$

_____ 6m _____
(1)

(c)   Simplify $3a + 2h + a + 3h$

_____ 4a + 5h _____
(2)

(Total 4 marks)

19. (a)   Simplify $a + a + a + a$

_____ 4a _____
(1)

(b)   Simplify $3 \times c \times d$

_____ 3cd _____
(1)

(c)   Simplify $3ef + 5ef - ef$

_____ 7ef _____
(1)

(Total 3 marks)

20. (a)   Simplify $d + d + d + d + d$

(1)

_____ 5d _____

(b)   Simplify $3 \times m \times 2$

(1)

_____ 6m _____

(c)   Simplify $6k + 3j - 2k + 5j$

(2)

_____ 4k + 8j _____

(Total 4 marks)