

# Multiplying Powers with the Same Base Bell Work

Simplify the following expression

1.  $b^3 \times b^5$

2.  $a^3 \times a^7$

3.  $6^2 \times 6$

4.  $3^2 \times 3^2$

5.  $a^7 \times a^{-5}$

6.  $2^4 \times 2^{-2}$

Evaluate the following using properties of power.

7.  $(3ab)(5a^2b^3)$

8.  $(4x^2y)(4x^{-5}y)$

9.  $(2xy)(3xy^{-2})(4x^{-1}y)$

10.  $(5g^3h)(3gh^{-2})(5^{-1}g)$