Codeyoung

Concept HW_Grade-6_Operations on Algebraic Expressions

Multiplication of Monomials

1. Fill in the blanks:

(i) $5 \times 4 =$ _____ and $5a \times 4a =$ _____

(ii) $7 \times 9 =$ _____ and $7a^2 \times 9a^3 =$ _____

(iii) $3 \times 6 =$ _____ and $3a \times 6b =$ _____

(iv) $6 \times 8 =$ _____ and $6am \times 8m =$ _____

(v) $2 \times 7 =$ _____ and $2pq \times 7pq =$ _____

(vi) $9 \times 12 =$ _____ and $9ay^2 \times 12ay =$ _____

(vii) $3 \times 7 =$ _____ and $3a^3b^2 \times 7a^2b^5 =$ _____

(viii) $8 \times 1 =$ _____ and $8a^2mn^2 \times a^3m^2n =$ _____

(ix) $9 \times 0 =$ _____ and $9p^5q^4 \times 0 =$ _____

(x) $11 \times 4 =$ _____ and $11z \times 4yz^7 =$ _____

2. Find the product of the monomials:

(i) $7x \times 8x =$

(ii) $3x \times 5x \times 4 =$

(iii) $2xy \times 7ay$

(iv) $a \times 4a^2 \times 6a^3 =$

(v) $9 \times 9m^2 =$

(vi) $4 \times 4p^2 \times 6p^2q^2 =$

(vii) $(-5x) \times 8x^2y =$

(viii) $(-7m^2n^2) \times (-5mn) =$

(ix) $(-3a) \times (-2a^2b) \times (-8ab^2) =$

(x) $12abc^2 \times (-2ab^2c) \times 0 =$

LIVEWORKSHEETS