



# VIDYA BHAWAN, BALIKA VIDYAPITH

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(Affiliated to CBSE up to +2 Level)

CLASS: VIII

SUB.: MATHS (NCERT BASED)

DATE: 16-09-2020

*Q. 1: Find the product of the following pairs of monomials.*

(i)  $4, 7p$       (ii)  $-4p, 7p$       (iii)  $-4p, 7pq$       (iv)  $4p^3, -3p$       (v)  $4p, 0$

**ANSWER:** The product will be as follows.

(i)  $4 \times 7p = 4 \times 7 \times p = 28p$

*Q. 2: Find the areas of rectangles with the following pairs of monomials as their lengths and breadths respectively.*

$(p, q)$ ;       $(10m, 5n)$ ;       $(20x^2, 5y^2)$ ;       $(4x, 3x^2)$ ;       $(3mn, 4np)$

**ANSWER:**

We know that, Area of rectangle = Length  $\times$  Breadth

Area of 1<sup>st</sup> rectangle =  $p \times q = pq$

*Question 3: Complete the table of products.*

First monomial $\rightarrow$ Second monomial $\downarrow$	$2x$	$-5y$	$3x^2$	$-4xy$	$7x^2y$	$-9x^2y^2$
$2x$	$4x^2$	$-10xy$	$6x^3$	$-8x^2y$	$14x^3y$	$-18x^3y^2$
$-5y$	...	...	...	...	...	...
$3x^2$	...	...	...	...	...	...
$-4xy$	...	...	...	...	...	...
$7x^2y$	...	...	...	...	...	...
$-9x^2y^2$	...	...	...	...	...	...