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## Multiplying Monomials Worksheets

Help Jennifer fill in the following blanks.

1.  $4a \times 4a =$  \_\_\_\_\_

2.  $8a^9 \times 7a^3 =$  \_\_\_\_\_

3.  $13a \times 2b =$  \_\_\_\_\_

4.  $6am \times 8m =$  \_\_\_\_\_

5. Find the product of the monomials

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

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

(iii)  $2xy \times 7ay$

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

Find the product of the three monomials

6.  $7ab^2c^5$ ,  $4a^3b^2c^2$  and  $2abc^2$

7.  $xy^2$ ,  $2x^2y$  and  $xy$

8.  $x^5$ ,  $y^2x^5$  and  $xyz$

9.  $(-b^2c)$ ,  $(-2bc)$  and  $10c^2b$

10. Multiply  $(-7mn^2)$  by  $(-6m^3n^5)$



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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1.	$16a^2$
2.	$56a^{12}$
3.	$26ab$
4.	$48am^2$
5.	(i) $56x^2$ (ii) $60x^2$ (iii) $14axy^2$ (iv) $24a^6$
6.	$56a^5b^5c^9$
7.	$2x^4y^4$
8.	$x^{11}y^3z$
9.	$20b^4c^4$
10.	$42m^4n^7$

## FUN FACT

1. A monomial is also a polynomial.
2. A monomial multiplied by a monomial gives a monomial.
3. A monomial is a building block of a polynomial.

