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Multiplying Monomials Worksheets

Can you help Jason fill in the blanks correctly?

1. $10a \times 4a = \underline{\hspace{2cm}}$

2. $2a^2 \times 18a^3 = \underline{\hspace{2cm}}$

3. $6a \times 6b = \underline{\hspace{2cm}}$

4. $6am \times 8bm = \underline{\hspace{2cm}}$

5. Find the product of the given monomials

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

(ii) $9x \times 5x \times 4 =$

(iii) $12xy \times 7ay =$

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



Find the product of the three monomials

6. c^5 , a^2c^2 and abc^2

7. $4xy^2$, $2x^2y$ and xy

8. $(-4x^5)$, y^2x^5 and xyz

9. $(-6b^2c)$, $(-2bc)$ and $10c^2b$

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

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in an interesting way,
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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.	$40a^2$
2.	$56a^{12}$
3.	$26ab$
4.	$48am^2$
5.	(i) $56x^2$ (ii) $180x^2$ (iii) $84axy^2$ (iv) $18a^6$
6.	a^3bc^9
7.	$8x^4y^4$
8.	$-4x^{11}y^3z$
9.	$120b^4c^4$
10.	$30m^4n^7$

FUN FACT

1. A polynomial could be a monomial. Every monomial is a polynomial.
2. A monomial multiplied by a constant gives a monomial.
3. A number by itself say 7 or 500 is a monomial. Also, a variable by itself is a monomial for example m or n .

