

Name:

Class:

Date:

Mathematics

Algebraic Expressions

🧐 Multiplication 😬 Worksheet 🧐

Answer the following questions given in each case, in this format; for example, if your response works out to be $-\frac{1}{2}x^2y^3$, then type-write - **1/2x^2y^3**!

1.) $a^2 \times 3a^4b =$

2.) $\frac{2}{3}p \times 15p^3 =$

3.) $(-5mn^2) \times 14m^2n^7p =$

4.) $(-8a^3bc^4) \times (-\frac{3}{4}a^2b^3c) =$

5.) $(-2x^2y^3z) \times (-9x^4y^2z^5) \times (-3x^3yz^4) =$

6.) $2\frac{1}{2}j^3k^2 \times (-1\frac{3}{5}j^4k^3) =$

7.) $4\frac{1}{7}p^5q^2r^3 \times (-1\frac{5}{58}p^3qr^2) \times (-4pq^4r^5s) =$

8.) $(-6\frac{3}{4}l^3m^4n^{-5}) \times (-2\frac{2}{3}l^2m^2n^{12}) \times (-1\frac{5}{6}m^3n^{-4}p^2) \times (-\frac{3}{11}l^4)$
 $=$

9.) $4\frac{7}{8}w^5x^4y^3z^2 \times (-\frac{5}{13}w^2x^2yz^3) \times 3\frac{1}{5}w^{-3}x^{-5}y^4z =$

10.) $(-2\frac{5}{6}a^5b^9cd^{18}) \times (-1\frac{1}{17}a^{-2}b^{-4}c^{-3}d^{-13}) \times 3a^3bc^6d^2 =$