

EXPONENTIO

		FREE SPACE			

The following numbers represent the *answers* to the questions below. Randomly place them in the **large portion** of each box above.

81	$\frac{4}{9}$	4	$\frac{1}{216}$	7290	48	$\frac{126}{5}$	$10n^{13}$
$-18y^{12}$	$216m^6$	$-6z$	$\frac{256}{9}$	$\frac{8}{31}$	-125	$-\frac{1}{8}$	a^4
-5	$30p^{10}$	x^{-12}	m^{-9}	$-4a^8$	$\frac{1}{9}$	$\frac{16}{5}$	$2n^9$

Now, do the questions (on a *separate* piece of paper with *full solutions*), and in the **bottom corner** of each box, place the question number from the work that has that answer

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|---|---|---|
| 1. $\frac{2^3 \times 2^5}{2^6}$ | 2. $(6m^2)^3$ | 3. $6y^5(-3y^7)$ |
| 4. $\frac{(-a)^5(-a)}{(-a)^2}$ | 5. $5(3)^2 \times 2(3)^4$ | 6. $\frac{3 \times 3^7}{3^2 \times 3^2}$ |
| 7. $\frac{(-5)^{35}(-5)^{18}}{(-5)^{50}}$ | 8. $2p^5 \times 5p^2 \times 3p^3$ | 9. $m^{-14} \div m^{-5}$ |
| 10. $(-2)^{-3}$ | 11. $12(2)^7 \div [4(2)^3]$ | 12. $\frac{-42z^3}{7z^2}$ |
| 13. $\frac{4n^{12} \times 5n^3}{10n^6}$ | 14. $\frac{-9a^7 \times (-8)a^9}{-18a^8}$ | 15. $5^2 + 5^{-1}$ |
| 16. $3^{-1} + 3^{-2}$ | 17. $(2^2 - 1)^{-2}$ | 18. $\left(\frac{1}{4} - \frac{1}{4^2}\right)^{-2}$ |
| 19. $\left(\frac{1}{4}\right)^{-1} - \left(\frac{1}{3}\right)^{-2}$ | 20. $5n^{-4} \times 2n^{17}$ | 21. $[(-2)^2 - 2^{-3}]^{-1}$ |
| 22. $\frac{4}{4^{-1} + 4^0}$ | 23. $(x^{-2})^3 \div (x^3)^2$ | 24. $\left(\frac{2}{3^{-1}}\right)^{-3}$ |