

Why Are Babies Like Hinges ?

Simplify each expression below and find your answer in the set of answers to the right of that exercise. Write the letter of your answer in the box that contains the number of that exercise.

$$\textcircled{1} \frac{n^9}{n^5}$$

$$\textcircled{3} \frac{2n^4}{n}$$

$$\textcircled{A} 2n^6$$

$$\textcircled{E} 2n^3$$

$$\textcircled{2} \frac{n^{12}}{n^3}$$

$$\textcircled{4} \frac{6n^2}{3n^5}$$

$$\textcircled{H} n^9$$

$$\textcircled{T} n^4$$

$$\textcircled{R} \frac{2}{n^6}$$

$$\textcircled{Y} \frac{2}{n^3}$$

$$\textcircled{5} \frac{x^3y^4}{x^2y}$$

$$\textcircled{7} \frac{8xy^2}{12x^3y^5}$$

$$\textcircled{R} -4x^3$$

$$\textcircled{A} xy^3$$

$$\textcircled{S} -4y^4$$

$$\textcircled{T} -4y^7$$

$$\textcircled{6} \frac{-8x^6y^2}{2x^3y^2}$$

$$\textcircled{8} \frac{20x^3y^8}{-5x^3y}$$

$$\textcircled{E} \frac{2}{3x^2y^3}$$

$$\textcircled{U} \frac{2}{3xy^4}$$

$$\textcircled{9} \frac{3a^5b^2}{9a^2b^5}$$

$$\textcircled{11} \frac{-24a^2b}{18ab^5}$$

$$\textcircled{I} 5ab^8$$

$$\textcircled{A} 15a^2$$

$$\textcircled{L} 5ab^6$$

$$\textcircled{G} 15a^3$$

$$\textcircled{10} \frac{-15a^2b^9}{-3ab}$$

$$\textcircled{12} \frac{30a^9b^2}{2a^6b^2}$$

$$\textcircled{N} -\frac{4a}{3b^4}$$

$$\textcircled{H} \frac{a^3}{3b^3}$$

$$\textcircled{13} \frac{8u^4v^{10}}{-2u^2v^8}$$

$$\textcircled{15} \frac{-7u^2v^6}{uv^3}$$

$$\textcircled{B} -7uv^5$$

$$\textcircled{S} -4u^2v^2$$

$$\textcircled{O} -7uv^3$$

$$\textcircled{E} -4u^7v^2$$

$$\textcircled{14} \frac{13u^7v^7}{26u^7v}$$

$$\textcircled{16} \frac{-9u^8v^2}{-6u^2v^6}$$

$$\textcircled{T} \frac{v^6}{2}$$

$$\textcircled{A} \frac{3u^6}{2v^4}$$

$$\textcircled{17} \frac{14k^9m^3}{2km^3}$$

$$\textcircled{19} \frac{-3k^5m^6}{k^4m^3}$$

$$\textcircled{E} -3k$$

$$\textcircled{L} 7k^6m$$

$$\textcircled{D} 7k^8$$

$$\textcircled{R} -3km^3$$

$$\textcircled{18} \frac{4k^2m^2}{16k^5m^3}$$

$$\textcircled{20} \frac{12km^3}{-4m^3}$$

$$\textcircled{O} \frac{1}{4k^3m}$$

$$\textcircled{N} \frac{1}{4km^2}$$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----

Why Was the Deck of Cards Always in Trouble?



Simplify the expression. For each set of exercises, there is one extra answer. Write the letter of this answer in each box containing the number of that set.

1	a. $\frac{20x^5}{5x^3}$	b. $\frac{-28x^4}{7x}$	P $-4x^3$	O $-4x$	V $4x^2$											
2	a. $\frac{26m^8n^2}{13m^5n}$	b. $\frac{-60m^9n^6}{-12mn^2}$	I $5m^3n^2$	A $2m^3n$	G $5m^8n^4$											
3	a. $\frac{2ab^5}{a^4b^2}$	b. $\frac{-5a^2b^3}{10b^8}$	F $\frac{2b^3}{a^3}$	S $-\frac{2a^2}{b^3}$	T $-\frac{a^2}{2b^5}$											
4	a. $\frac{(k^2e)^2}{k^3e}$	b. $\frac{(ke)^2(ke^2)}{k^2e}$	N ke^3	L ke	D k^2e^2											
5	a. $\frac{(-3c^3d)^2}{2cd^3}$	b. $\frac{(-c)^3(-d^3)}{5c^8d}$	A $\frac{9c^5}{2d}$	R $\frac{d^2}{5c^5}$	E $\frac{9d}{5c^3}$											
6	a. $\left(\frac{8x}{y^3}\right)^2$	b. $\left(\frac{x^5}{-2y^2}\right)^3$	B $-\frac{x^{15}}{8y^6}$	T $\frac{x^8}{8y^8}$	W $\frac{64x^2}{y^6}$											
7	a. $\left(\frac{6ab^3}{3c^2}\right)^2$	b. $\left(\frac{a^2b^3c^4}{ac^2}\right)^3$	R $\frac{4a^3b^9}{c^4}$	N $a^3b^9c^6$	V $\frac{4a^2b^6}{c^4}$											
8	a. $\frac{(-5vt)^2}{-5vt^2}$	b. $\frac{15(v^2t)^5}{3v^{10}}$	H $5vt^4$	L $-5v$	A $5t^5$											
9	a. $\frac{(-3wh^3)^2}{9w^5h^8}$	b. $\frac{-w(-h)^4}{(-wh)^4}$	J $-\frac{1}{w^2h^2}$	F $-\frac{1}{w^3}$	B $\frac{1}{w^3h^2}$											
10	a. $\left(\frac{5pq^3}{4p^3q}\right)^2$	b. $\left(\frac{-3q^5}{pq}\right)^3$	A $-\frac{27q^{12}}{p^3}$	L $-\frac{27q^6}{p^4}$	N $\frac{25q^4}{16p^4}$											
11	a. $\frac{(-2n)^5}{-2n^5}$	b. $\frac{12n(-n)^3}{-60n^2}$	G $\frac{n^2}{5}$	B 16	K $\frac{n}{8}$											
12	a. $\left(\frac{a^3}{7b^2}\right)^x$	b. $\left(\frac{7a^x}{7b^y}\right)^x$	P $\frac{a^{x^2}}{b^{xy}}$	M $\frac{a^{3x}}{7^x b^{2x}}$	W $\frac{a^{3x}}{7b^x}$											
6	8	5	9	1	11	5	7	3	12	5	7	5	12	2	10	4