

* write down answers on sheet

WHY ARE MR. AND MRS. NUMBER SO HAPPY?

Find the simplest form for each expression below in the adjacent answer column. The letter of the exercise goes in the box that contains the number of the corresponding answer.

- (E) $x^3 \cdot x^4$
 (O) $3x^2 \cdot x$
 (T) $2x^2 \cdot 3x$
 (I) $x \cdot x^2 \cdot x^3$
 (A) $x^4(-3x^2)$
 (H) $(-2x^2)(-2x)$
 (E) $x(-x^4)(-x^4)$
 (19) $-3x^6$
 (14) $3x^3$
 (25) x^9
 (7) x^7
 (10) x^6
 (2) $4x^3$
 (23) $6x^3$

- (T) $(u^2v)(-6uv^2)$
 (E) $v(uv^2)(u^3v)$
 (I) $(4uv)(-u)(2u^4v)$
 (A) $(-3u^2)(-u^2v^2)(2uv)$
 (L) $(-u^2)(-6u^2v^3)(-u^3v^4)$
 (G) $(-2u)(u^2v)(4u^3v^3)$
 (V) $(\frac{1}{2}u^2v^3)(2uv^4)$
 (21) $-8u^6v^4$
 (3) u^4v^4
 (12) $-8u^6v^2$
 (17) u^3v^7
 (5) $6u^5v^3$
 (13) $-6u^3v^3$
 (24) $-6u^7v^7$

- (R) $(ab^2)(a^2b)$
 (A) $(3ab)(2a^3b)$
 (G) $ab(-4ab^3)$
 (E) $(-a^4b)(-5a^2b^3)$
 (T) $(-2a^3b)(2ab^3)$
 (N) $(6a^2b^2)(-2ab^5)$
 (O) $(-4ab^4)(-3ab^4)$
 (18) $5a^6b^4$
 (6) a^3b^3
 (26) $12a^2b^8$
 (8) $-4a^2b^4$
 (11) $-12a^3b^7$
 (1) $-4a^4b^4$
 (16) $6a^4b^2$

- (L) $(-b^2)(9a^2b^3)$
 (Y) $(3a^2c)(-3bc^2)$
 (E) $c(-ab)(a^2b^2c^2)$
 (O) $(-3a^2c)(-3b^2c)$
 (T) $(-ab)(-b^2c^2)(-a^2b^2)$
 (H) $(a^2bc^2)(b^2c^3)(9a)$
 (N) $(3b^2)(\frac{1}{3}abc)(-c)$
 (22) $-a^3b^5c^2$
 (27) $-ab^3c^2$
 (28) $-a^3b^3c^3$
 (15) $9a^3b^3c^5$
 (4) $-9a^2bc^3$
 (20) $-9a^2b^5$
 (9) $9a^2b^2c^2$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28

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.

① $\frac{n^9}{n^5}$

③ $\frac{2n^4}{n}$

(A) $2n^6$

(E) $2n^3$

(H) n^9

(T) n^4

② $\frac{n^{12}}{n^3}$

④ $\frac{6n^2}{3n^5}$

(R) $\frac{2}{n^6}$

(Y) $\frac{2}{n^3}$

⑤ $\frac{x^3y^4}{x^2y}$

⑦ $\frac{8xy^2}{12x^3y^5}$

(R) $-4x^3$

(A) xy^3

(S) $-4y^4$

(T) $-4y^7$

⑥ $\frac{-8x^6y^2}{2x^3y^2}$

⑧ $\frac{20x^3y^8}{-5x^3y}$

(E) $\frac{2}{3x^2y^3}$

(U) $\frac{2}{3xy^4}$

⑨ $\frac{3a^5b^2}{9a^2b^5}$

⑪ $\frac{-24a^2b}{18ab^5}$

(I) $5ab^8$

(A) $15a^2$

(L) $5ab^6$

(G) $15a^3$

⑩ $\frac{-15a^2b^9}{-3ab}$

⑫ $\frac{30a^9b^2}{2a^6b^2}$

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

(H) $\frac{a^3}{3b^3}$

⑬ $\frac{8u^4v^{10}}{-2u^2v^8}$

⑮ $\frac{-7u^2v^6}{uv^3}$

(B) $-7uv^5$

(S) $-4u^2v^2$

(O) $-7uv^3$

(E) $-4u^7v^2$

⑭ $\frac{13u^7v^7}{26u^7v}$

⑯ $\frac{-9u^8v^2}{-6u^2v^6}$

(T) $\frac{v^6}{2}$

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

⑰ $\frac{14k^9m^3}{2km^3}$

⑲ $\frac{-3k^5m^6}{k^4m^3}$

(E) $-3k$

(L) $7k^6m$

(D) $7k^8$

(R) $-3km^3$

⑱ $\frac{4k^2m^2}{16k^5m^3}$

⑳ $\frac{12km^3}{-4m^3}$

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

(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
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