

- on separate sheet

What Do You Call a Message

Printed on a Lion With Chickenpox?



Express each product in simplest form. Find your answer below and notice the letter next to it. Write this letter in each box containing the number of that exercise.

① $\frac{x^3}{2y^2} \cdot \frac{6y^4}{xy}$

⑥ $\frac{13xy^2}{x^2 + 3x - 18} \cdot \frac{x^2 - 9}{26x^4y^2}$

② $\frac{5xy^2}{4x^2} \cdot \frac{8x^3y}{15y^5}$

⑦ $\frac{25 - x^2}{14x^3y^8} \cdot \frac{7x^2y}{8x + 40}$

③ $\frac{x^2 + 7x + 12}{x - 5} \cdot \frac{2x - 10}{x + 3}$

⑧ $\frac{2x^2 + 5x - 7}{x + 4} \cdot \frac{x^2 + 4x}{x^2 - 2x + 1}$

④ $\frac{x^2 - 3x - 10}{x + 7} \cdot \frac{3x + 21}{6x - 30}$

⑨ $\frac{2x + 10}{32 - 8x} \cdot \frac{x^2 - 10x + 24}{x^2 - x - 30}$

⑤ $\frac{x - 1}{4xy^3} \cdot \frac{6x^2y}{1 - x}$

⑩ $\frac{12x + 48}{6x - 15} \cdot \frac{4x^2 - 25}{x^2 + 9x + 20}$

Ⓖ $-\frac{3x}{2y^2}$

ⓐ $\frac{4(2x + 5)}{x + 5}$

Ⓛ $\frac{x + 3}{2x^3(x + 6)}$

Ⓕ $-\frac{x - 4}{x + 4}$

ⓗ $3x^2y$

Ⓣ $-\frac{1}{4}$

Ⓓ $\frac{2x^2}{3y^2}$

Ⓢ $\frac{x + 2}{2}$

Ⓔ $2(x + 4)$

Ⓝ $\frac{x(2x + 7)}{x - 1}$

Ⓢ $-\frac{x - 5}{16xy^7}$

Ⓐ $\frac{4(2x - 5)}{3(x + 4)}$

7	4	5	8	10	8	9	1	3	2	10	9	9	3	2	6	4	10	8
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What Happened to the Peanut Who Went Walking Late at Night?

Express each quotient below in simplest form. Find your answer in the answer column and notice the letter next to it. Write this letter in each box containing the number of that exercise.

$$\textcircled{1} \quad \frac{12m^2n^5}{m+5} \div \frac{3m^3n}{m^2-25}$$

$$\textcircled{2} \quad \frac{n^2-9n+20}{6m^7n^2} \div \frac{5n-20}{10mn^2}$$

$$\textcircled{3} \quad \frac{m^2}{m^2-7m} \div \frac{1}{m^2-4m-21}$$

$$\textcircled{4} \quad \frac{16-2m}{m^2+2m-24} \div \frac{m-8}{3m+18}$$

$$\textcircled{5} \quad \frac{12n-36}{9-n^2} \div \frac{8n^5}{n^2+3n}$$

$$\textcircled{6} \quad \frac{m^2-n^2}{m^2+2mn+n^2} \div \frac{m^2n-mn^2}{7m^2}$$

$$\textcircled{7} \quad \frac{n^2-n-12}{2n^2-15n+18} \div \frac{3n^2-12n}{2n^3-9n^2}$$

$$\textcircled{8} \quad \frac{17mn^3}{m^2+2m-35} \div \frac{34m^8n^4}{m^2+7m}$$

$$\textcircled{9} \quad \frac{4n^3-25n}{3n^2-16n+5} \div (10n+25)$$

$$\textcircled{H} \quad 7m(m-n)$$

$$\textcircled{N} \quad -3n^4(n-3)$$

$$\textcircled{T} \quad m(m+3)$$

$$\textcircled{D} \quad -\frac{3}{2n^4}$$

$$\textcircled{U} \quad \frac{4n^4(m-5)}{m}$$

$$\textcircled{R} \quad \frac{1}{2m^4n(m-7)}$$

$$\textcircled{S} \quad \frac{n(2n-9)(n+3)}{3(2n-3)(n-6)}$$

$$\textcircled{I} \quad -\frac{6}{m-4}$$

$$\textcircled{A} \quad \frac{n(2n-5)}{5(3n-1)(n-5)}$$

$$\textcircled{W} \quad \frac{7m}{n(m+n)}$$

$$\textcircled{L} \quad \frac{1}{2m^6n(m-5)}$$

$$\textcircled{E} \quad \frac{n-5}{3m^6}$$

4	3	6	9	7	9	7	7	9	1	8	3	2	5
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