

What Do You Call a Bar of Soap That Doesn't Clean?

Simplify the expression, then cross out the letter pair next to the answer. For each letter pair that you DON'T cross out, write the upper case letter in the box containing the lower case letter.

1 $x^2 \cdot x^5$

f • P $12x^5$

7 $(ab^3)(a^3b)$

b • S $14a^5b^7$

2 $7x^3 \cdot x$

d • H x^{11}

8 $(2ab)(3ab^5)$

l • B $6a^3b^5$

3 $4x^4 \cdot 3x$

e • J x^7

9 $(-4ab^2)(9a^5b)$

n • N $-36a^3b^7$

4 $x \cdot x^3 \cdot x^9$

o • U $30x^4$

10 $ab(-8a^3b^2)$

p • X $6a^2b^6$

5 $(-5x^7)(-6x^2)$

b • O x^{13}

11 $(-2a^4b)(-7ab^6)$

j • G $-8a^4b^3$

6 $x(-x^5)(-x^5)$

g • T $7x^4$

12 $-3a(12a^2b^7)$

k • C a^4b^4

l • W $30x^9$

e • U $14a^4b^9$

f • V $-36a^6b^3$



13 $(5m^3)(-m^8t^2)$

n • L $16m^5t^8$

19 $(n^2)^3$

f • B $81n^{18}$

14 $(-4m^4t)(15t^5)$

k • I $-5m^{11}t^2$

20 $(-n^5)^2$

p • T $-8n^{12}$

15 $(11m^4t^9)(7mt)$

j • D $6m^5t^{10}$

21 $(5n^8)^2$

c • N $25n^{16}$

16 $(3m^2)(m^3t^3)(2mt^2)$

g • T $77m^5t^{10}$

22 $(-2n^4)^3$

d • L $81n^{36}$

17 $(-8mt^4)(-2t)(m^4t^3)$

i • M $-60m^8t^6$

23 $(10n)^3$

m • I n^6

18 $3t^5(-mt)(20m^7)$

f • N $6m^6t^5$

24 $(-3n^9)^4$

n • D $-8n^{16}$

b • A $16m^6t^3$

g • F n^{10}

d • S $-60m^4t^6$

k • E $1000n^3$



25 $(3x^2y^3)^2$

k • U $81x^{20}y^6$

31 $2kd(5k^2d)^2$

i • R $-81k^2d^{11}$

26 $(5x^4y)^3$

a • S $9x^4y^6$

32 $-d(9kd^5)^2$

q • T k^8d^6

27 $(-7x^5y^2)^2$

g • L $-32x^{10}y^{15}$

33 $(kd)^2(kd^2)$

c • S k^3d^4

28 $(-4xy^8)^3$

d • R $49x^{12}y^4$

34 $(2k)^4(-k^2)(-d)^2$

g • B $-81kd^7$

29 $(-2x^2y^3)^5$

q • E $125x^{12}y^3$

35 $(ka^8)(ka)^8(k^8d)$

m • I $k^{17}d^{17}$

30 $(3x^7y^2)^4$

i • N $-64x^3y^{24}$

36 $(-k^2d)^3(-k^2d^3)$

a • H $50k^5d^3$

c • T $81x^{28}y^8$

p • D $k^{15}d^{12}$

p • G $49x^{10}y^4$

o • A $-16k^6d^2$

NAME _____

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| a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q |
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