



# Multiplying Monomials - Puzzle



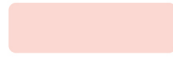
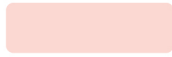
Simplify and match the corresponding answer from the given letter codes and solve the puzzle at the bottom that has the given question numbers.

1  $(2a^5)(3a)^3$

2  $(4m)(-n^5)$

3  $(-12p^2)(-12p^2)$

4  $(-x^3)(x^5)$



5  $(pq^4)(10p^4q)$

6  $(4)(16z)$

7  $(2z)^2(3)$



8  $(yz)(yz)^9$

9  $(d)(c^2d)$

10  $(7q^2p)(-3p)$



11  $(d)^2(5ab^2d)$

12  $(rs)(r^4p)$

13  $(x^5y)(-x)$



## Letter Code

A  $12z^2$

C  $-21p^2q^2$

E  $10p^5q^5$

H  $-x^8$

I  $5ab^2d^3$

N  $-x^6y$

M  $64z$

T  $y^{10}z^{10}$

A  $pr^5s$

M  $54a^8$

T  $144p^4$

I  $c^2d^2$

A  $-4mn^5$

## Puzzle

1 2 3 4 5 6 7 8 9 10 11 12 13



# Multiplying Monomials – Puzzle



## Answers

1  $(2a^5)(3a)^3$

2  $(4m)(-n^5)$

3  $(-12p^2)(-12p^2)$

4  $(-x^3)(x^5)$

$54a^8$

$-4mn^5$

$144p^4$

$-x^8$

5  $(pq^4)(10p^4q)$

6  $(4)(16z)$

7  $(2z)^2(3)$

$10p^5q^5$

$64z$

$12z^2$

8  $(yz)(yz)^9$

9  $(d)(c^2d)$

10  $(7q^2p)(-3p)$

$y^{10}z^{10}$

$c^2d^2$

$-21p^2q^2$

11  $(d)^2(5ab^2d)$

12  $(rs)(r^4p)$

13  $(x^5y)(-x)$

$5ab^2d^3$

$pr^5s$

$-x^6y$

## Letter Code

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A  $-4mn^5$

## Puzzle

$\frac{M}{1}$   $\frac{A}{2}$   $\frac{T}{3}$   $\frac{H}{4}$   $\frac{E}{5}$   $\frac{M}{6}$   $\frac{A}{7}$   $\frac{T}{8}$   $\frac{I}{9}$   $\frac{C}{10}$   $\frac{I}{11}$   $\frac{A}{12}$   $\frac{N}{13}$