Multiplying Monomials



Codebreaker

Α	В	С	D	Е	F	G	Н	I	J	K	L	M
x ¹⁵	x^6y^2	10 <i>x</i>	$15x^{5}$	<i>x</i> ⁸	x ²⁴	x^6y	21 <i>x</i> ⁸	x^4y^9	$12x^{16}y^{14}$	$20x^6y^8$	$8x^5$	x ⁹
Ν	0	Р	Q	R	5	Т	U	V	W	X	У	Z
$x^{17}y^7$	x^4y^6	$20x^5y^{11}$	x^{10}	x^7y^9	8 <i>x</i>	x ⁷	$10x^8$	$12x^{6}$	x^6y^6	x^9y^7	$x^{17}y^{12}$	$10x^{12}$

Multiply out each monomial question below. Match your answer to a letter in the table above to complete the code in the five boxes at the bottom.

- $1 \qquad (x^2)(x^5)$
- 2
- $(x)(x^8)$
- 3
- $(x^4)(x^6)$
- 4
- $(x^2y)(x^4y)$
- 5
 - $(xy^3)(x^3y^3)$

- $6 (3x^3)(5x^2)$
- $(2x^4)(5x^8)$
- $(7x^2)(3x^6)$
- 9
- $(4xy)(5x^5y^7)$
- 10 $20(x^2y^3)(x^3y^8)$

- $11 \ 4(x^9y^3)(3x^7y^{11}) \ 12$
 - 12

- 1
- $3(2x^3)^2$
- 14
- $(x)(x^2y^3)^3$
- 15
- $(xy^3)(x^4y)^4$



1 2 (

 $(x^3)^5$

SOLUTION

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x ¹⁵	x^6y^2	10 <i>x</i>	$15x^{5}$	<i>x</i> ⁸	x ²⁴	x^6y	21 <i>x</i> ⁸	x^4y^9	$12x^{16}y^{14}$	$20x^6y^8$	$8x^{5}$	<i>x</i> ⁹
N	0	Р	Q	R	5	Т	U	V	W	X	У	Z
$x^{17}y^7$	x^4y^6	$20x^5y^{11}$	x ¹⁰	$x^{7}y^{9}$	8 <i>x</i>	x ⁷	$10x^{8}$	$12x^{6}$	x^6y^6	$x^{9}y^{7}$	$x^{17}y^{12}$	$10x^{12}$

Multiply out each monomial question below. Match your answer to a letter in the table above to complete the code in the five boxes at the bottom.

$$(x^2)(x^5)$$

$$(x)(x^8)$$

$$(x^4)(x^6)$$

$$(x^2y)(x^4y)$$

$$5 \qquad (xy^3)(x^3y^3)$$
$$x^4y^6$$

$$(3x^3)(5x^2)$$

$$15x^5$$

$$(2x^4)(5x^8)$$
 $10x^{12}$

$$(7x^2)(3x^6)$$

$$9 (4xy)(5x^5y^7)$$

$$20x^6y^8$$

$$10 \quad 20(x^2y^3)(x^3y^8) \\ 20x^5y^{11}$$

11
$$4(x^9y^3)(3x^7y^{11})$$
 12 $12x^{16}y^{14}$

$$(x^3)^5$$

$$3(2x^3)^2$$
 $12x^6$

$$(x)(x^2y^2)$$

$$(xy^3)(x^4y)^4$$

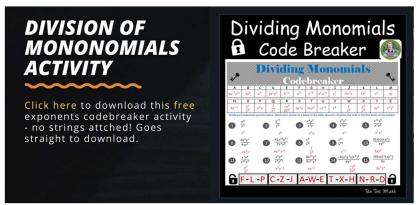
$$x^{17}y^7$$



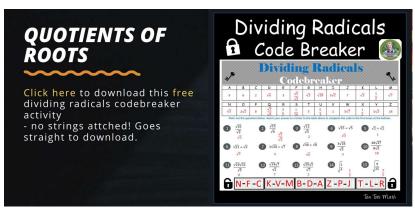
-M-Q B-O-D Z-H-K P-J-A



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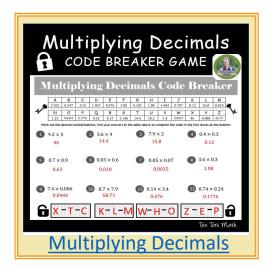
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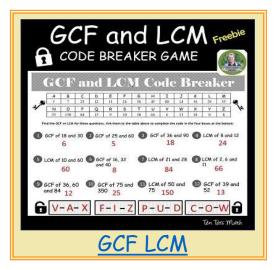
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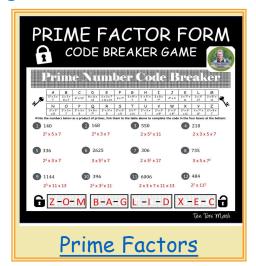
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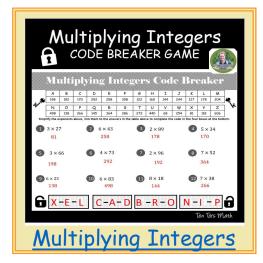
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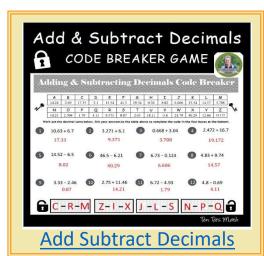
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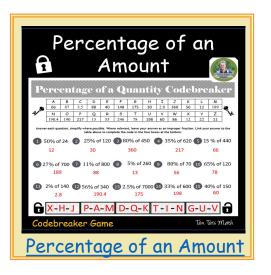




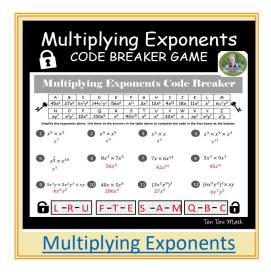


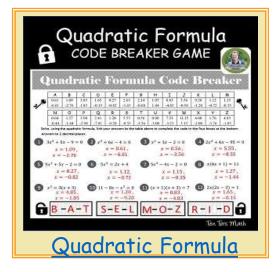


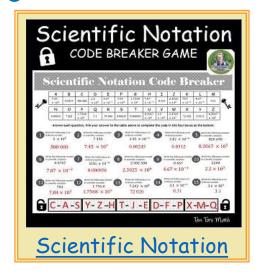


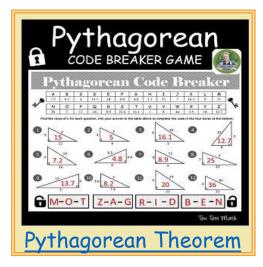


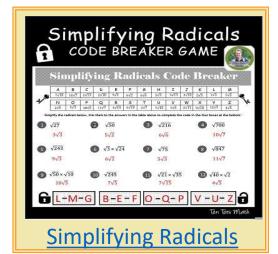
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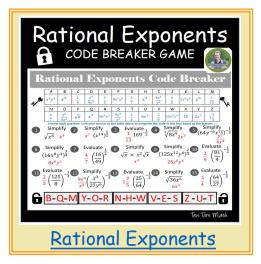




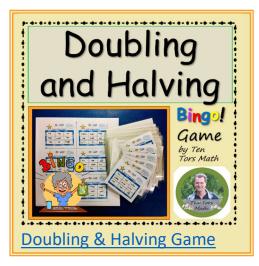


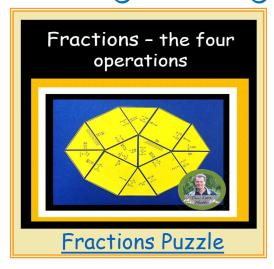


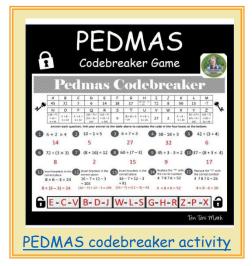




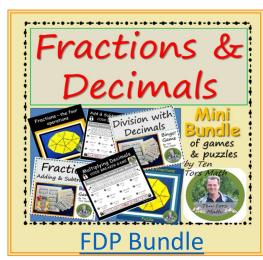
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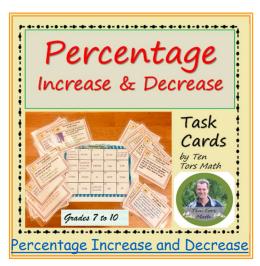












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