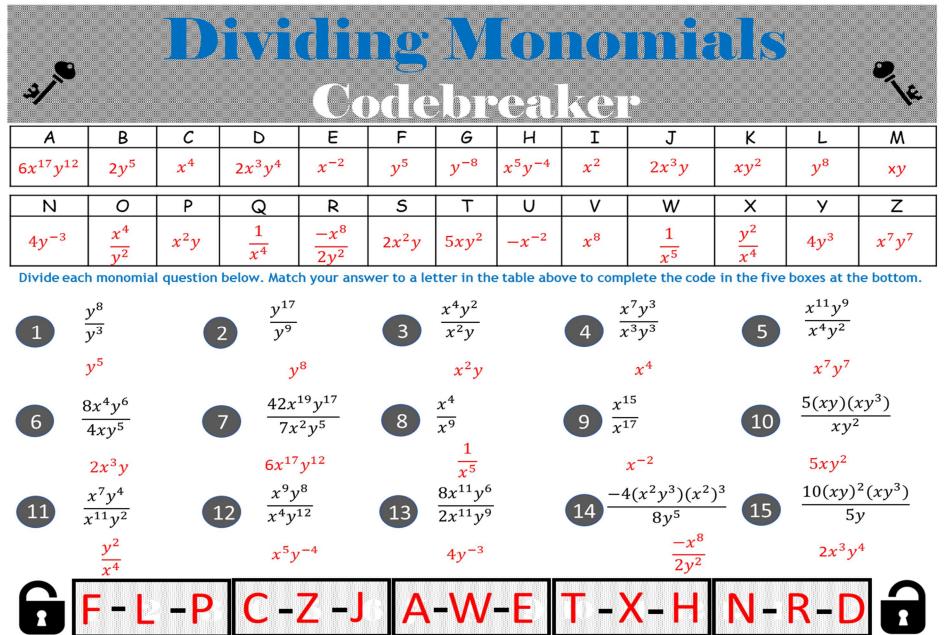
<b>Dividing Monomials</b>													
34/					<u>de</u>	br	eal	ke	0			- [k	
A	В	С	D	E	F	G	Н	I	J	K	L	Μ	
$6x^{17}y^{12}$	2 <i>y</i> <sup>5</sup>	<i>x</i> <sup>4</sup>	$2x^3y^4$	<i>x</i> <sup>-2</sup>	<i>y</i> <sup>5</sup>	y <sup>-8</sup>	$x^5y^{-4}$	<i>x</i> <sup>2</sup>	$2x^3y$	$xy^2$	<i>y</i> <sup>8</sup>	хy	
N	0	Р	Q	R	5	Т	U	V	W	X	У	Z	
$4y^{-3}$	$\frac{x^4}{y^2}$	$x^2y$	$\frac{1}{x^4}$	$\frac{-x^8}{2y^2}$	$2x^2y$	$5xy^2$	$-x^{-2}$	<i>x</i> <sup>8</sup>	$\frac{1}{x^5}$	$\frac{y^2}{x^4}$	4 <i>y</i> <sup>3</sup>	$x^7y^7$	
Divide 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.													
	y <sup>8</sup>	2 $\frac{y^{17}}{y^9}$			3		$x^4y^2$		$\frac{x^7y^3}{x^3y^3}$		$5  \frac{x^{11}y^9}{x^4y^2}$		
1	$\frac{y^8}{y^3}$		$2 \overline{y^9}$		3	$x^2y$		$4  \overline{x}$	$z^{3}y^{3}$	5	$x^4y^2$		
6	$3x^4y^6$		42 <i>x</i>	<sup>19</sup> y <sup>17</sup>		<i>x</i> <sup>4</sup>		<b>x</b> <sup>2</sup>	15		$\frac{5(xy)(x)}{xy^2}$	$(y^3)$	
6	$\frac{y}{4xy^5}$		$7 \frac{12x}{7x}$	<sup>2</sup> y <sup>5</sup>	8	$\overline{x^9}$		9 $\frac{x^2}{x^2}$	17	10	<i>xy</i> <sup>2</sup>		
	$\frac{x^7y^4}{x^{11}y^2}$		$\frac{x^9y}{x^4y}$	.8		$\frac{8x^{11}y^6}{2x^{11}y^9}$			$\frac{4(x^2y^3)(x^2)}{8y^5}$	$\frac{)^3}{15}$	$\frac{10(xy)^2}{5y}$	$^{2}(xy^{3})$	
	$x^{11}y^2$		.2 $\overline{x^4y^4}$	12	13	2 <i>x</i> <sup>11</sup> <i>y</i> <sup>9</sup>		14	8y <sup>5</sup>	15	5 <u>j</u>	У	
© Ten Tors Education	on												

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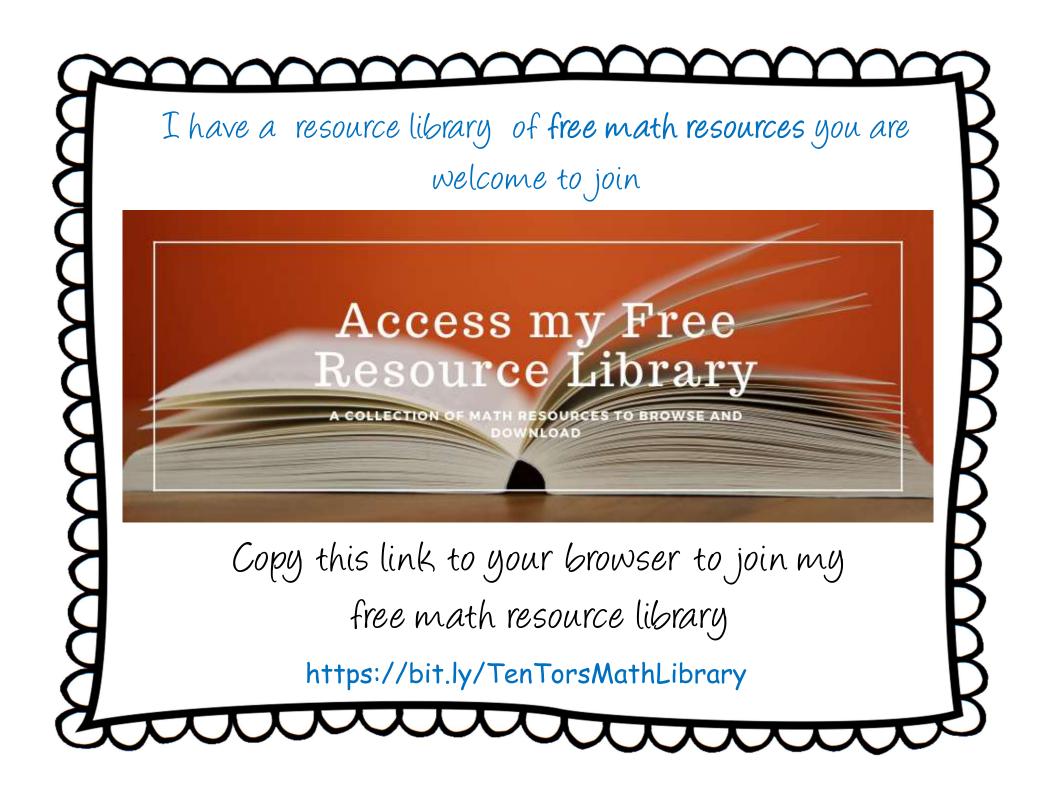
## SOLUTION



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http://bit.ly/TenTorsMathPuzzles





**MYY** Some more code-breakers you may like! (click the link) GCF and LCM Freebie PRIME FACTOR FORM **Multiplying Decimals** CODE BREAKER GAME A CODE BREAKER GAME CODE BREAKER GAME A Prime Number Code Breaker GCF and LCM Code Breaker Multiplying Decimals Code Breaker 
 A
 B
 C
 F
 F
 H
 I
 J
 K
 L
 M

 X<sup>+</sup>
 2 × 2<sup>+</sup>
 2 × 2 
 A
 6
 C
 D
 E
 F
 6
 H
 T
 J
 K
 L
 M

 5
 7
 25
 12
 11
 24
 36
 45
 66
 14
 16
 29
 33

 A
 B
 C
 D
 E
 F
 G
 H
 I
 J
 K
 L
 M

 2.362
 0.547
 15.8
 1.033
 0.476
 5.88
 6.103
 1.08
 3.442
 0.707
 0.12
 0.63
 0.018

 N
 O
 P
 Q
 R
 S
 T
 U
 V
 W
 X
 Y
 Z

 2<sup>1</sup>x3<sup>3</sup></sup>
 2<sup>1</sup>x3<sup>3</sup>x
 N O P Q R S T U V W X 23 00444 0.1776 4.32 8.15 3.146 14.4 18.2 5.4 0.0055 46 1 140 2 168 3 550 4 210 2 3.6 × 4 3 7.9 × 2 0.4 × 0.3 1 9.2 × 5 GCF of 18 and 30 
GCF of 25 and 60 
GCF of 36 and 90 
CM of 8 and 12 2<sup>2</sup> x 5 x 7 21×3×7 2 x 5<sup>2</sup> x 11 2 x 3 x 5 x 7 14.4 15.8 0.12 18 5 **G** 336 6 2625 7 306 8 735 S LCM of 10 and 60 GCF of 16, 32 and 40 LCM of 21 and 28 S LCM of 2, 6 and 11 5 0.7 × 0.9 8 3.6 × 0.3 6 0.03 × 0.6 0.05 × 0.07 24 x 3 x 7  $3 \times 5^{3} \times 7$ 2 x 3<sup>2</sup> x 17 3 x 5 x 7<sup>2</sup> 0.0035 1.08 66 0.63 0.018 60 8 84 12 484 9 1144 **m** 396 6006 © 6CF of 36, 60 and 84 12 0 6CF of 75 and 10 LCM of 50 and 10 6CF of 39 and 52 13 0 6CF of 39 and 52 13 2<sup>3</sup> x 11 x 13  $2^2 \times 3^2 \times 11$ 2 x 3 x 7 x 11 x 13 22 x 112 10 8.7 × 7.9 9 7.4 × 0.006 11 0.14 × 3.4 12 0.74 × 0.24 0 1776 Z − O− M B−A−G L −I − D X −E−C G V-A-X F-I-Z P-U-D C-O-W **X**-T-C K-L-M W-H-O Z-E-P Ten Tors Math Ten Tors Math **Multiplying Decimals** GCF LCM Prime Factors Multiplying Integers Add & Subtract Decimals Percentage of an CODE BREAKER GAME 🌆 7 A Amount Adding & Subtracting Decimals Code Break Multiplying Integers Code Breaker Percentage of a Quantity Codebreaker 
 A
 B
 C
 D
 E
 F
 G
 H
 I
 J
 K
 L
 M

 66
 87
 3.5
 88
 40
 148
 175
 30
 2.8
 360
 56
 12
 189

 Q
 2
 A B C D E F G H I J K L M 198 192 170 292 258 358 122 160 144 244 127 178 204 
 A
 B
 C
 D
 E
 F
 G
 H
 I
 J
 K
 L
 M

 4.24
 2.69
 17.33
 3.1
 13.54
 41.3
 19.34
 0.76
 8.02
 6.606
 15.34
 14.57
 3.70
 N O P Q R S T U V W X Y Z 408 138 266 145 364 286 272 440 68 254 81 118 606 
 N
 O
 P
 Q
 R
 5
 T
 U
 V
 W
 X
 Y
 Z

 14.21
 2.708
 1.79
 4.11
 9.371
 0.87
 2.65
 18.11
 -3.6
 24.79
 40.29
 12.66
 19.12
 where possible. Where relevant, leave your answer as an improper fr table above to complete the code in the four boxes at the bottom: 10.63 + 6.7 2 3.271 + 6.1 3 0.668 + 3.04 2.472 + 16.7 3 × 27 6 × 43 3 2×89 4 5×34 1 50% of 24 2 25% of 120 3 80% of 450 4 35% of 620 5 15 % of 440 258 178 1733 9.371 3,708 170 19 172 30 360 217 66 14.52 - 6.5 6 46.5 - 6.21 0 6.73 - 0.124 4.83 + 9.74 6 4×73 2 × 96 7 × 52 3 × 66 6 27% of 700 7 11% of 800 8 5% of 260 9 80% of 70 10 65% of 120 292 364 8.02 40.29 14.57 198 189 13 56 88 9 6 × 23 10 6×83 1 8×18 12 7×38 3.33 - 2.46 10 2.75 + 11.46 11 6.72 - 4.93 4.8 - 0.69 1 2% of 140 1 56% of 340 1 2.5% of 7000 33% of 600 5 40% of 150 14.21 190.4 175 2.8 T X-E-L C-A-D B-R-O N-I-P C-R-M Z-I-X J-L-S N-P-Q TX-H-J P-A-M D-Q-K T-I-N G-U-V debreaker Game Add Subtract Decimals Multiplying Integers Percentage of an Amount  $\mathbf{X}$ 



