3–5 Common Math Vocabulary

Factor – numbers vou multiplv	Factor
together to get another	
number	
	$4 \times 3 = 12$
Product – the result of	
multiplying two factors	
together	Product
Dividend – the amount that you	Dividend
want to divide up (the first	\ Divisor
number in the equation)	
Divisor – the number you divide	
by (the number of groups), (the	$24 \div 3 = 8$
second number in the equation	
Quotient – the result or answer	Quotient
to a division equation	
Equality – two numbers,	8 = 8
expressions, or equations have	3 + 5 = 8
the same value	3 + 5 = 4 + 4
	Think: Please Excuse My Dear
Order of Operations – the	Aunt Sally
rules that say which	P – parenthesis ()
adaulation composition on	$E - exponent x^2$
calculation comes tirst in an	M – multiplication x
expression	D – division ÷
	A – addition +
	S – subtraction –







Fraction – an expression that represents part of a whole	1 2 one-half
Numerator – the top number in the fraction which states how many parts we have	<u>3</u> 4
Denominator – the bottom number of the fraction which states how many parts the whole is divided into	34
Equivalent Fraction – fraction that are equal to the same amount but use different numbers	$\begin{array}{c c} 2 \\ \hline 6 \\ \hline \hline \\ \hline$
Congruent – items that are the same size and shape (You can turn, slide, or rotate and they will fit on top of each other.)	

Symmetrical – one side is exactly like another if you flip, slide or turn it	
Additive Identity Property – adding zero to a number leaves it unchanged	0+5=5
Multiplicative Identity Property – multiplying a number by one leaves it unchanged	8 = 8
Associative Property – the grouping of the numbers does not matter (i.e. which you calculate first) when adding or multiplying	Associative Property of Addition (2+3)+4 = 2+(3+4) Do First Do First 5+4 = 2+7 $9 = 9$ Associative Property of Multiplication (6x4)x2 = 6x(4x2) Do First Do First $24 \times 2 = 6 \times 8$ $48 = 48$

Commutative Property – the order of the numbers does not matter, when combined they will still equal the same answer (ONLY for addition and multiplication)	The property stating that you can change the order of the addends or the factors and it will NOT change the answer. bxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Transformations – changing a shape using a turn, flip, slide, or resize	Transformations
Translation – to slide, move a shape without rotating or flipping it, shape looks exactly the same just in a different location	R before translation
Reflection – an image or shape as it would be seen in a mirror, looks as if it where flipped over a line of symmetry	
Slide – to move a shape without rotating or flipping it, shape looks exactly the same just in a different place	slide without rotating it

