STARTER:

Name:

Date:

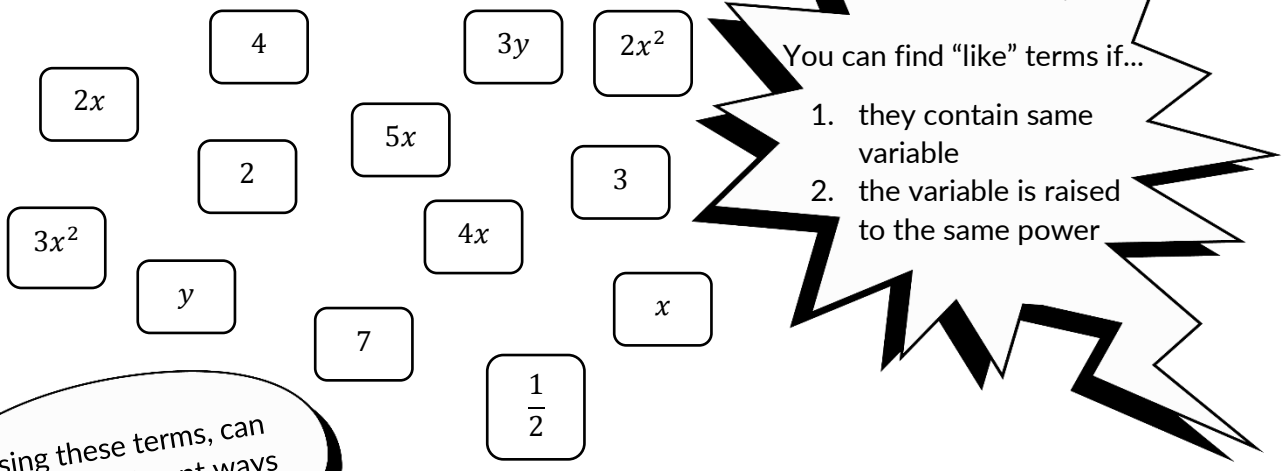
Complete this table...

Expression	Terms	Variables	Constants	Coefficients
$3x + 2y + 5$	$3x, 2y, 5$	$x \text{ and } y$	5	$3 \text{ and } 2$
$7x + 4y + 2$				
$3x - 5$				
$6a + 4 - 6b$				
$a^2 + 2a - 9$				
$xy + 3x^2 + xz - 7$				

Simplifying Algebraic Expressions

"LIKE" TERMS

Use different colours to identify the "like" terms



You can find "like" terms if...

1. they contain same variable
2. the variable is raised to the same power

Using these terms, can you find different ways to express $3x + 6$?

PRACTICE:

Collect "like" terms to simplify these expressions

1. $2x + 4 + 3x + 3 =$
2. $5x + 1 + 2x + 2 =$
3. $6y + 2 + y + 3 =$
4. $2a + 2b + a - b =$
5. $a^2 + 3a + 2 + 2a^2 - a =$
6. $2x^2 - 3x + 1 + 2y^2 + x - 7 =$

Tip: If it helps, circle the different "like" terms in different colours

Ms. McRobie's Maths