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Name	Date	 ······	ESSENTIALS	V	®

Substitution

Follow these steps. Swap roles for each expression.

- Together, represent the expression using algebra counters and Numicon pieces.
- Child A: roll a dice to give a value for each letter.
- Child B: replace the counters with the correct Numicon pieces.
- Separately, both work out the total value of the expression.
- Compare your answers.

	Expression	Values of letters	Total value of the expression
1.	3 <i>a</i> + 10	a =	
2.	5 <i>b</i> – 3	b =	
3.	a + c	a = c =	
4.	b – d	b = d =	
5.	3 <i>x</i> + <i>y</i>	x = y =	
6.	4x + 2y + z	x = y = z =	
7.	7a – 3b	a = b =	
8.	p×q	p = q =	
٩.	a×a	a =	
10.	y ÷ 2	<i>y</i> =	
11.	30 ÷ e	e =	