## Week 16

## Friday 10th July 2020

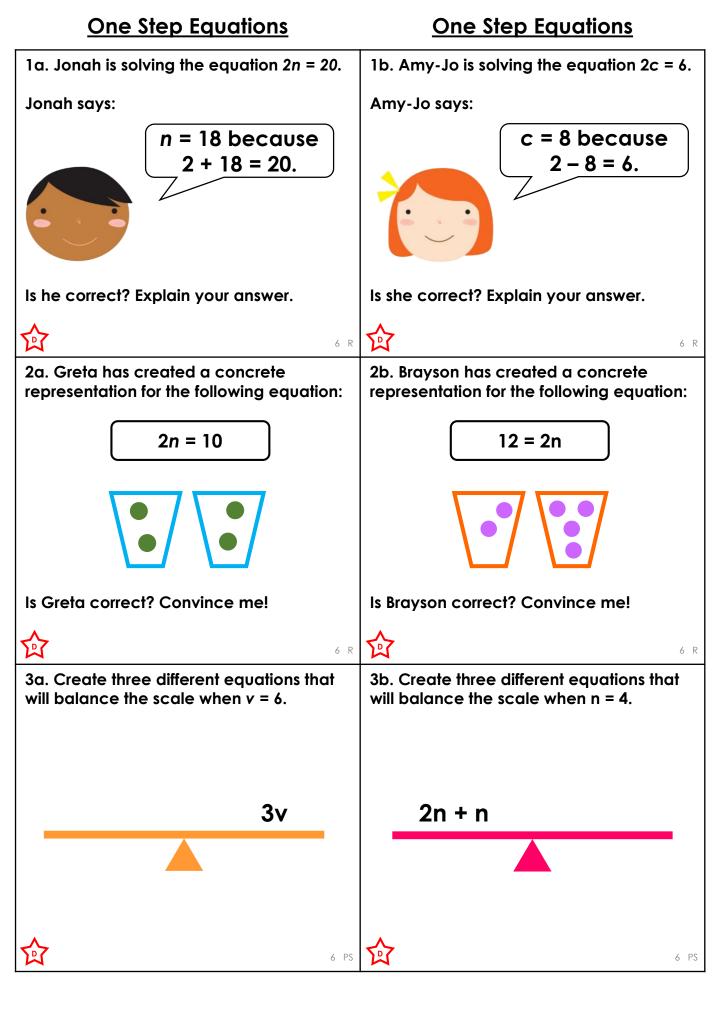
## Year 6 Use One Step Equations -Varied Fluency and Reasoning & Problem Solving

\*Today's lesson has both Varied Fluency and Reasoning & Problem Solving. Please complete both sheets (VF and RPS) as follows:

- Squares complete D
- Rectangles & Triangles complete E
- Circles complete GD

\*Review how to solve a one step equation using the link: https://www.youtube.com/watch?v=L0\_K89UJfJY&t=343s

One Step Equations	One Step Equations
1a. True or false?	1b. True or false?
The value of b is the same in both equations.	The value of <i>m</i> is the same in both equations.
2b = 20	m – 6 = 6
25 – 15 = b	2 + m = 14
2a. Which concrete representation matches the equation <i>n</i> + 1?	2b. Which concrete representation matches the equation c + c?
A.	A.
B.	B.
C.	C.
6 VF	6 VF
3a. Compare the value of <i>b</i> in each equation using <, > or =.	3b. Compare the value of a in each equation using <, > or =.
2b = 10 $b + 9 = 11$ $26 - b = 19$	$a \ge a = 36$ $a - 10 = 9$ $4 \ge a = 16$
6 VF	6 VF
4a. What numbers would balance these equations?	4b. What numbers would balance these equations?
a. p + 1 = 30	a. b – 11 = 0
b. d-4=14	b. c+c+c=12
c. a + a = 32	c. 2 + a = 7
6 VF	6 VF



One Step Equations	One Step Equations
5a. True or false?	5b. True or false?
The value of z is the same in both equations.	The value of x is the same in both equations.
5z = 1	x + 3 = 25
20 ÷ 100 = z 6 ∨F	11 <sup>2</sup> = x 6 ∨F
6a. Which concrete representation matches the equation 2 + c?	6b. Which concrete representation matches the equation <i>n</i> + 4?
A.	A.
B.	B.
C.	C.
6 VF	6 VF
7a. Compare the value of a in each equation using <, > or =.	7b. Compare the value of b in each equation using <, > or =.
6a = 30 $a - 4 = 10$ $3 + a = 17$	5b = 6 $b - 5 = 9$ $4 + b = 18$
6 VF	6 VF
8a. What numbers would balance these equations?	8b. What numbers would balance these equations?
a. c x 5 = 35	a. m x 7 = 56
b. 42 - a = 24.5	b. 3n = 120
c. 9b = 36	c. 6 + d = 28.5
6 VF	6 VF

