

Varied Fluency Two-Step Equations

Developing

1a. True; False, $4y + 1 = 21$

2a. 10

3a.

$5a + 2 = 32$
$6a - 9 = 15$
$23 = 3 + 4a$

?						
5	5	5	5	3		
?						
4	4	4	4	4	4	-9
?						
6	6	6	6	6	2	

4a. -4; $\div 3$

Expected

5a. True; False, $2y + 5 = 13$

6a. 12

7a.

$9a \div 3 = 12$
$\frac{1}{4}a + 11 = 14$
$9 = 5 + 8a$

$a = 0.5$
$a = 4$
$a = 12$

8a. +7; $\div 5$

Greater Depth

9a. True; False, $3y \div y = 3$; False, $7 - z = 3$

10a. 60

11a.

$16a + 24 = 28$
$9a + 17 = 21.5$
$-5 = 6a - 29$

$a = 4$
$a = \frac{1}{4}$
$a = 0.5$

12a. -6.3; $\div 28$

Varied Fluency Two-Step Equations

Developing

1b. True; False, $2y - 6 = 8$

2b. 6

3b.

$3a - 5 = 4$
$2a + 7 = 23$
$2 = 22 - 5a$

?					
22	-4	-4	-4	-4	-4
?					
3	3	3	-5		
?					
8	8	7			

4b. +7; $\div 5$

Expected

5b. True; False, $4y - y = 15$

6b. 9

7b.

$3a \div 2 = 12$
$\frac{1}{2}a + 11 = 16$
$8 = 7 + 4a$

$a = 10$
$a = 0.25$
$a = 8$

8b. -4; $\div 6$

Greater Depth

9b. True; False, $4y \times 2 = 88$; False, $7 - 2z = -7$

10b. 90

11b.

$20a + 36 = 41$
$7a + 34 = 37.5$
$-4 = 6a - 34$

$a = 0.5$
$a = 5$
$a = \frac{1}{4}$

12b. -9.6; $\div 45$