Wednesday (answers) – LO: to solve simple one-step equations.

Varied fluency

Developing

1a. True; $b = 10$

2a. A

3a. >, <

4a. $p = 5$, $d = 6$, $a = 4$

Expected

5a. True; $z = 0.2$

6a. B

7a. <, =

8a. $c = 6$, $a = 10$, $b = 3$

Greater Depth

9a. False; $t = 5$ and $t = 2.5$

10a. C

11a. >, =

12a. $c = 1$, $b = 9$, $n = 7$

Reasoning and problem solving

Developing

1b. Amy-Jo is incorrect because 2c means 2 x c = 6, so c = 3.

2b. No; $n = 6$ so both cups should contain 6 counters.

3b. Various possible answers, for example: 2 x 6, 3 x 4, 10 + 2.

Expected

4b. Maddie is incorrect because 30 ÷ 3 = 10, so $f = 10$.

5b. No; Jack has shown 4 x 4. He needs 3 cups to show 3 groups of 4 which is 3 x 4.

6b. Various possible answers, for example: 1 + 1, 0.75 + 1.25, 0.5 x 4.

Greater Depth

7b. Nell is incorrect because she needs to add 7 to -4 to balance the equation.

8b. No; Brynn has correctly identified that b is 6, however he needs to add another 10 counters to make 16.

9b. Various possible answers, for example: $9 - 8$, $-1 + 2$, 1^2.