

Monday (answers) – LO: to find and calculate with a one-step rule.

Varied fluency

1a. Add 5 to $x = x + 5$,

Subtract 10 from $x = x - 10$,

5 less than $x = x - 5$, Multiply x by 2 = $2x$

2a. $a + 10$

3a. 7, $a - 9$, 30

4a. $2b = 10$, $b + 4 = 9$, $17 - b = 12$, $b - 2 = 3$

Expected

5a. Add 2.5 to $x = x + 2.5$, Double $x = 2x$,

Multiply x by 9 = $9x$,

9 times smaller than $x = x \div 9$

6a. $3a$

7a. 7, 24, $a \div 4$

8a. $2y = 30$, $4.4 + y = 19.4$, $y - 12 = 3$,

$y \div 2 = 7.5$

Greater Depth

9a. 10 times smaller than $x = \frac{x}{10}$, 10 more than $x = 10 + x$, 10 less than $x = x - 10$, A quarter of $x = 0.25x$

10a. $3a - 30$

11a. $5x$, 2.1, $\frac{a}{5}$

12a. $2v = 19.8$, $2.8 - v = -7.1$, $\frac{v}{3} = 3.3$, -4.5

$+ v = 5.4$

Reasoning and problem solving

Developing

1a. C

2a. $a - 1$

3a. 5 is the odd one out because $6 + 8 = 14$ and $8 + 8 = 16$. $5 + 8 = 13$ but there is not a number card for 13.

Expected

4a. A and B

5a. Various answers, for example: $a \div 4$, $a - 6$, $a \times \frac{1}{4}$

6a. 9 is the odd one out because $42 \div 6 = 7$ and $24.6 \div 6 = 4.1$. $54 \div 9 = 6$ but there is not a number card for 54.

Greater Depth

7a. B and C

8a. Various possible answers; for example: $z \div 5$, $z - 0.2z$, $\frac{1}{5}z$

9a. 12 is the odd one out because $28 \times 0.75 = 21$ and $48 \times 0.75 = 36$. $12 \times 0.75 = 9$ and $16 \times 0.75 = 12$ but there is not a number card for 9 or 16.