

Thursday (easy) – LO: to solve two-step equations.

Varied fluency

Reasoning and problem solving

1a. Are the following statements true or false?

i. If $x = 2$, then $4 + x = 6$

ii. If $y = 5$, then $10 - y = 5$

iii. If $z = 4$, then $z + 1 = 3$

★ VF

2a. What is the correct value of c ?

$$c - 7 = 13$$

15 18 20

★ VF

3a. Match each equation to the correct value of a .

$2a - 5 = 7$	$a = 8$
$a + 4 = 12$	$a = 5$
$8 = 3 + a$	$a = 6$

★ VF

4a. Fill in the missing operation to show how to solve the equation below.

$$x - 6 = 24$$

↓

$$x = 30$$

★ VF

1b. Using the cards below and addition or subtraction, create three balanced equations where $x = 3$.

3	4	x
1	2x	6

★ PS

2b. Choose a value for c and find three possibilities to complete the following equation.

$$c + \square = \square$$

★ PS

3b. Ben and Freya are solving the following algebraic equation.

$$22 - x = 18$$

Ben: x must be 4 for this equation to be balanced.

Freya: x must be 5 for this equation to be balanced.

Who is correct? Prove it.

★ R