

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

Varied fluency

Reasoning and problem solving

5a. Are the following statements true or false?

i. If $x = 6$, then $3x = 18$

ii. If $y = 4$, then $2y + y = 10$

iii. If $z = 8$, then $0.25z = 2$

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VF

6a. What is the correct value of c ?

$$11c - 16 = 116$$

9 12 14

★

VF

7a. Match each equation to the correct value of a .

$9a \div 3 = 12$ $a = 0.5$

$\frac{1}{4}a + 11 = 14$ $a = 4$

$9 = 5 + 8a$ $a = 12$

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VF

8a. Fill in the missing operations to show how to solve the equation below.

$$5x - 7 = 18$$

↓ A

$$5x = 25$$

↓ B

$$x = 5$$

★

VF

4b. Using the cards below and any of the four operations, create three balanced equations where $x = 10$.

5x

10

4x

6

6x

5

★

PS

5b. Choose a value for c and find three possibilities to complete the following equation.


$$\square^c - \square = 12$$

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PS

6b. Danny and Bella are solving the following algebraic equation.


$$60 \div 4x = 5$$



Danny

x must be 3 for this equation to be balanced.

This equation is impossible because $60 \div 4 = 15$.



Bella

Who is correct? Prove it.

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R