Tuesday (hard) – LO: to form algebraic equations.

Varied fluency

9a. Use the equation below to fill in the gaps in the word problem.

$c \div 8 - 9 = -6$

I think of a number. I _____ it by ___ and subtract ___. My answer is ___.

VF

10a. In which of the options below does the unknown value equal 4?

A. $17.75 - w = 13\frac{1}{4}$

B. =

C. Chloe has 170cm of pipe. She cuts it into some equal pieces. Each piece is 42.5cm long. How many pieces does she have?

VF

11a. Circle the equation which matches the word problem below.

Huey thinks of a number. He multiplies it by two thirds and then subtracts 1. His answer is 3. What was his starting number?

$3 - 1 = \frac{2}{3}n$ $\quad \frac{2}{3}n - 1 = 3$ $\quad 1n - \frac{2}{3} = 3$

VF

12a. True or false? The equation matches the word problem below.

$40 \div p + 2 = 12$

Cole has 40 books. He splits them into equal piles. He adds 2 more books to one of the piles. That pile now has 12 books. How many piles does he have?

VF

Reasoning and problem solving

7b. Use some of the cards to create an algebraic equation.

m	12	4	+	n	÷	2

Draw an image using concrete materials and write a word problem to match the equation created.

PS

8b. Which is the odd one out?

A. I think of a number. I multiply it by 2. I add 0.5. My answer is 3.5.

B.

C. $9n - 9.3 = -0.3$

Explain your answer.

R

9b. Tom and Jaya are creating word problems based on the equation below.

$43.4 = 3b + 4c$

Tom: I multiply a number by 3. I add 4 to it. My answer is 43.4.

Jaya: I think of a number and multiply it by 3. I think of another number and multiply it by 4. When I add them together, my answer is 43.4.

Who is incorrect? Explain your answer.

R