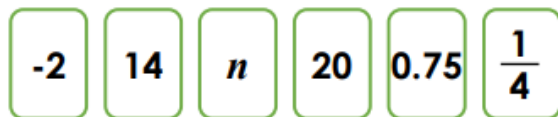


MONDAY LEVEL 3 RPS

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



Write a word problem to match the equation created.



PS

8a. Which is the odd one out?

A. I think of a number. I multiply it by 2.3. I subtract 3. My answer is 10.

B.  +  = 

C. $2n + 3 = 11$

Explain your answer.



R

9a. Sophia and Otis are creating word problems based on the equation below.

$$-6 = 0.5d - 22$$



Sophia

My answer is -6. To get this answer, I divided a number by 0.5 and subtracted 22.

My answer is -6. To get this answer, I multiplied a number by 0.5 and subtracted 22.



Otis

Who is correct? Explain your answer.

A

Rhys and Nishi have created their own number riddle expressions.



I think of a number and divide it by 5.



I think of a number and add 15.

- Rhys and Nishi are both thinking about the same number. Rhys's answer is 9. What is the answer to Nishi's number riddle?
- Do you think it would be possible for Rhys and Nishi to think of the same positive number and get the same answer? Explain your reasoning.

6

Annie has a number trick.



Whatever number you choose, I will make your answer be 5

Here is Annie's trick.

Step 1: think of a number
Step 2: double it
Step 3: add 10
Step 4: divide by 2
Step 5: take away the number you first thought of

- Pick a starting number and follow the steps. Did you get the answer 5?
- Use multilink cubes and base 10 ones to represent each step of Annie's trick. What do you notice?
- Write an expression for each step of Annie's trick.
