

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

Varied fluency

Reasoning and problem solving

5a. Match the function to its equivalent algebraic rule.

| | |
|------------------------|------------|
| Add 2.5 to x | $9x$ |
| Double x | $x \div 9$ |
| Multiply x by 9 | $2x$ |
| 9 times smaller than x | $x + 2.5$ |

6a. Circle the function being used here.

| | | |
|-----|---|------|
| 6 | ? | 18 |
| 4.2 | | 12.6 |
| 3.5 | | 10.5 |

4a

| | | |
|------|----------|------|
| $4a$ | $a + 12$ | $3a$ |
|------|----------|------|

7a. Work out the missing inputs and outputs for this function machine.

| | | |
|----|----------|---|
| 28 | $\div 4$ | ? |
| ? | | 6 |
| a | | ? |

8a. Match the equation to its answer if $y = 15$.

| | |
|------------|------|
| $2y$ | 3 |
| $4.4 + y$ | 19.4 |
| $y - 12$ | 7.5 |
| $y \div 2$ | 30 |

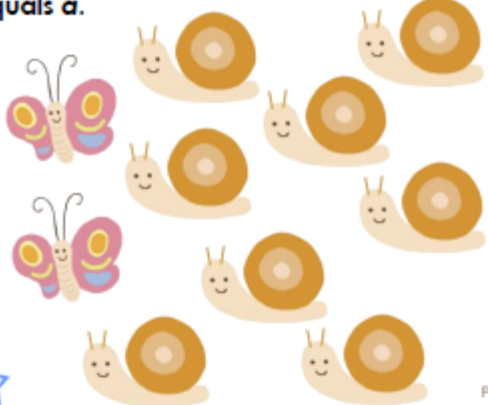
4a. Sandra has three times fewer spoons than Kyle.
If Sandra has x spoons, which of these are true?

A) Kyle has $3x$ spoons

B) Kyle has $x + x + x$ spoons

C) If Kyle had 18 spoons, Sandra had 54

5a. Write an algebraic expression to show how many butterflies there are if snails equals a .



6a. Four of the cards are inputs or outputs of the function machine.

Circle the odd one out.

42 4.1 9 24.6 7

? \rightarrow $\div 6$ \rightarrow ?

Explain your reasoning.