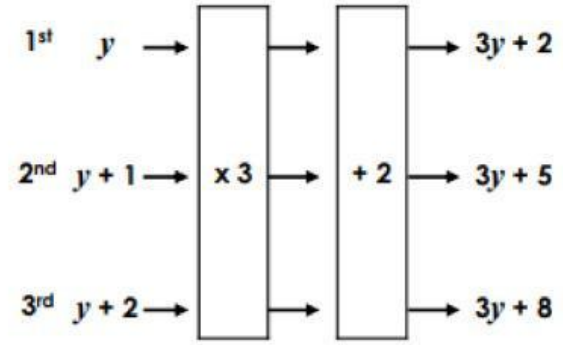


Algebra

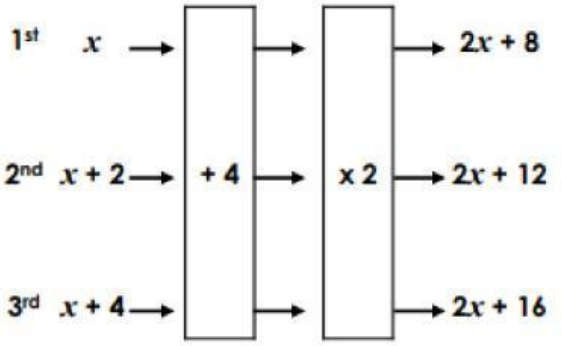
Form Expressions

4a. What is the 9th expression in the sequence?



PS

4b. What is the 10th expression in the sequence?

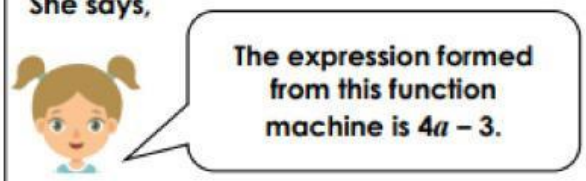


PS

5a. Jane has created a function machine.



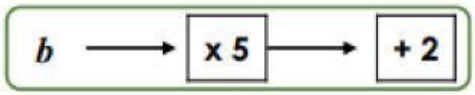
She says,



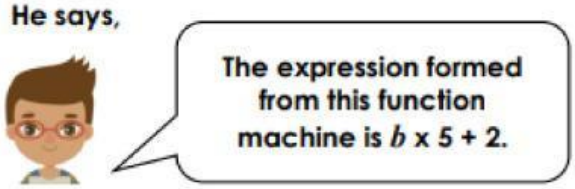
Explain Jane's mistake.

R

5b. Peri has created a function machine.



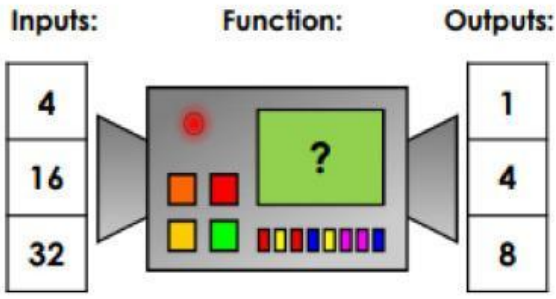
He says,



Explain Peri's mistake.

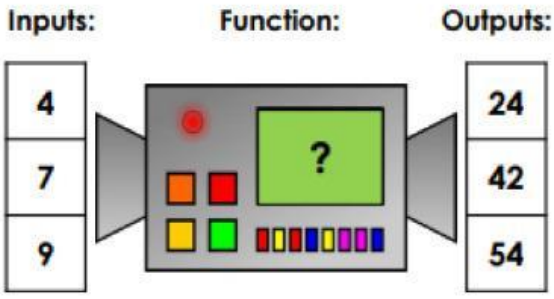
R

6a. Tom has put some terms into a function machine. What is the output if the input is 48?



PS

6b. Leia has put some terms into a function machine. What is the output if the input is 12?

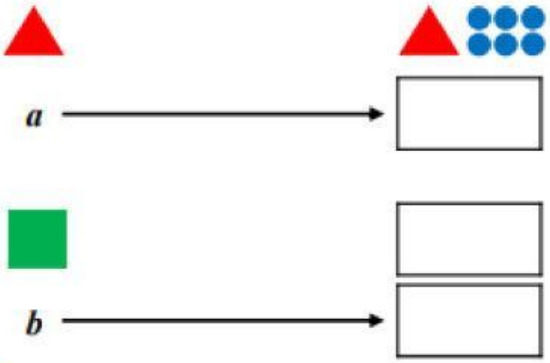


PS

LIVEWORKSHEETS

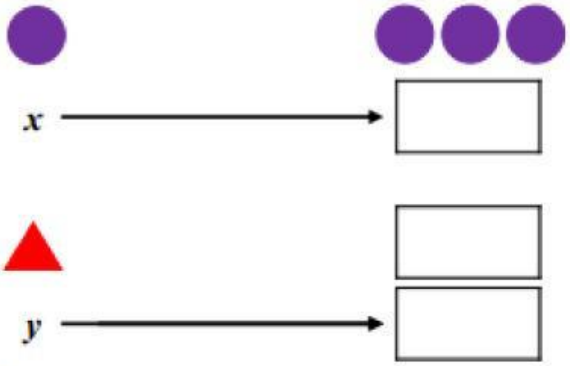
4a. Form the expressions from the given inputs.

Input → + 6 → Output



4b. Form the expressions from the given inputs.

Input → x 3 → Output



5a. Circle the function machine that does not show the correct expression.

r → ÷ 2 → x 3 → $r \div 2 \times 3$

s → x 4 → − 1 → $s \times 4 - 1$

t → x 2 → + 5 → $2t + 5$

5b. Circle the function machine that does not show the correct expression.

a → x 4 → ÷ 2 → $4a \div 2$

b → + 3 → x 2 → $b + 3 \times 2$

c → − 1 → x 3 → $1 + 3c$

6a. Find the missing functions.

a → ☐ → $4a$

x 4 | + 4 | ÷ 4

b → ☐ → $b \div 3$

÷ 3 | − 3 | x 3

6b. Find the missing functions.

x → ☐ → $x - 5$

x 5 | + 5 | − 5

y → ☐ → $2y$

− 2 | x 2 | ÷ 2

LIVEWORKSHEETS