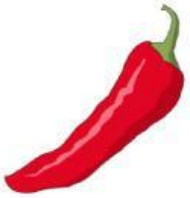
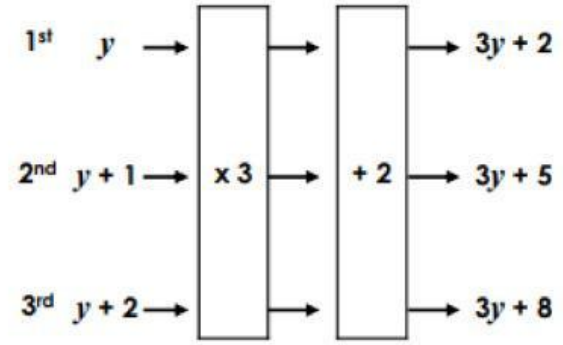


Algebra

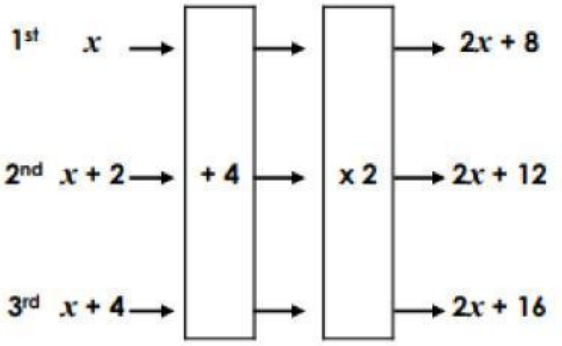
Form Expressions

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



PS

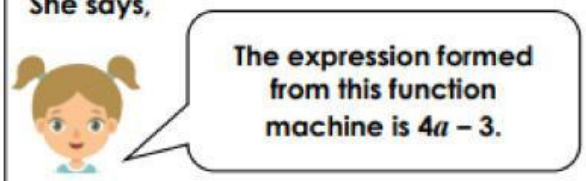
4b. What is the 10th expression in the sequence?



PS

5a. Jane has created a function machine.

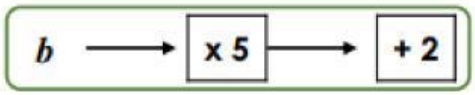
She says,



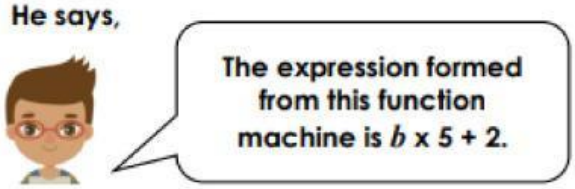
Explain Jane's mistake.

R

5b. Peri has created a function machine.



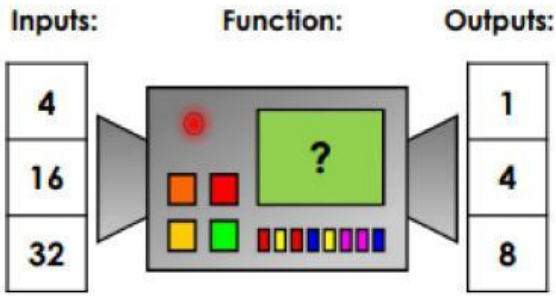
He says,



Explain Peri's mistake.

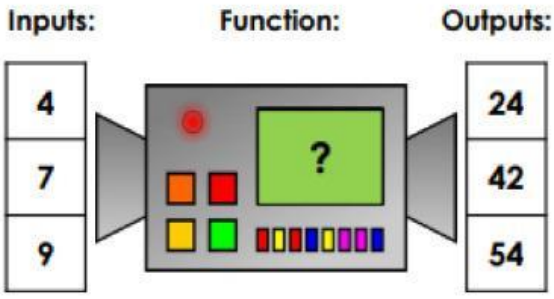
R

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?

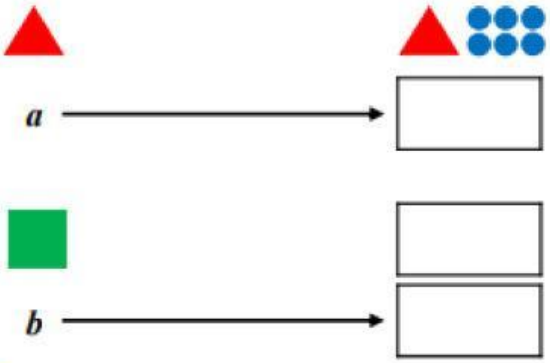


PS

LIVEWORKSHEETS

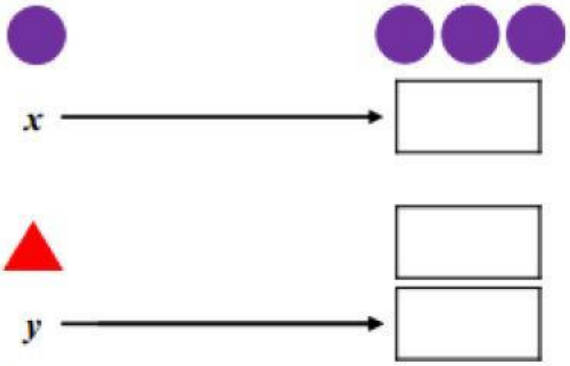
4a. Form the expressions from the given inputs.

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