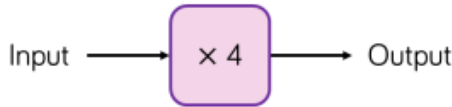




Year 6 – Spring 1
This term your child will be learning about:
Algebra

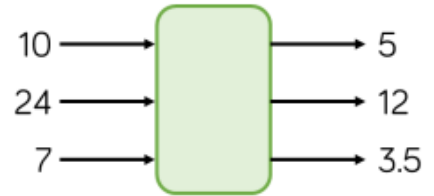
Fluency:

Here is a function machine.



- What is the output if the input is 2?
- What is the output if the input is 7.2?
- What is the input if the output was 20?
- What is the input if the output was 22?

Find the missing function.

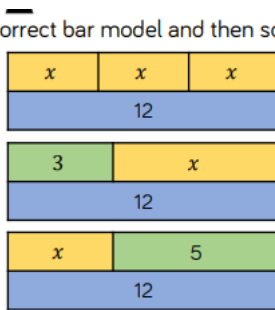


Match each equation to the correct bar model and then solve to find the value of x .

$x + 5 = 12$

$3x = 12$

$12 = 3 + x$



If $\star = 7$ and $\heartsuit = 5$, what is the value of:

$\star + \heartsuit + \heartsuit$

If $a = 7$ and $b = 5$ what is the value of:

$a + b + b$

Problem Solving:

Eva spends 92p on yo-yos and sweets

She buys y yo-yos costing 11p and s sweets costing 4p.

Here are two formulae.

$p = 2a + 5$

$c = 10 - p$

Can you write an equation to represent what Eva has bought?

Find the value of c when $a = 10$

The rule for making scones is use 4 times as much flour (f) as butter (b).

Which is the correct formula to represent this?

A

B

$f = \frac{b}{4}$

$f = 4b$

C

D

$f = b + 4$

$4f = b$

Mathematical Talk:

What do you think 'one-step function' means?

What do you think input and output mean?

What is the output if? What is the input if?

Are $2a + 6$ and $6 + 2a$ the same? Explain your answer

Key Skills: To be able to use division to find factors of numbers