

Tables of values – input → output

MODULE 8 · ALGEBRA – PATTERNS, EXPRESSIONS AND EQUATIONS

ALGEBRA

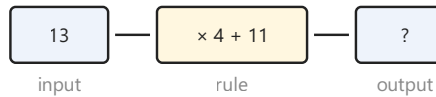
HOW TO ANSWER TODAY

- **Function machine.** Do EACH step of the rule in order to the input.

Rule $\times 4 + 2$, input 5 $\rightarrow 5 \times 4 = 20, + 2 = 22$

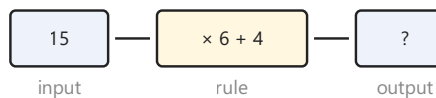
STRETCH PROBLEMS

1



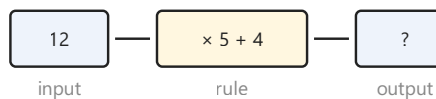
On the 5th class nature walk through the local park, Oisín spots a rule on a worksheet from his teacher: multiply the number of trees in each row by **4**, then add **11** birds resting nearby. If one row has **13** trees, what number does the rule give?

2



Saoirse has a function machine drawn in her maths copy with the rule $\times 6 + 4$. She puts the number **15** into the machine. What number comes out?

3



Aoife's granny is baking barmbrack for the Halloween weekend. Each loaf needs **5** spoons of sultanas plus **4** extra spoons for the topping. If she bakes **12** loaves, how many spoons of sultanas does she use altogether?