Mathematics

Expressions, equations and inequalities Counting strategies

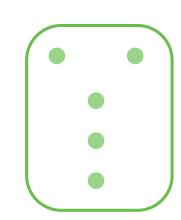
Independent Task

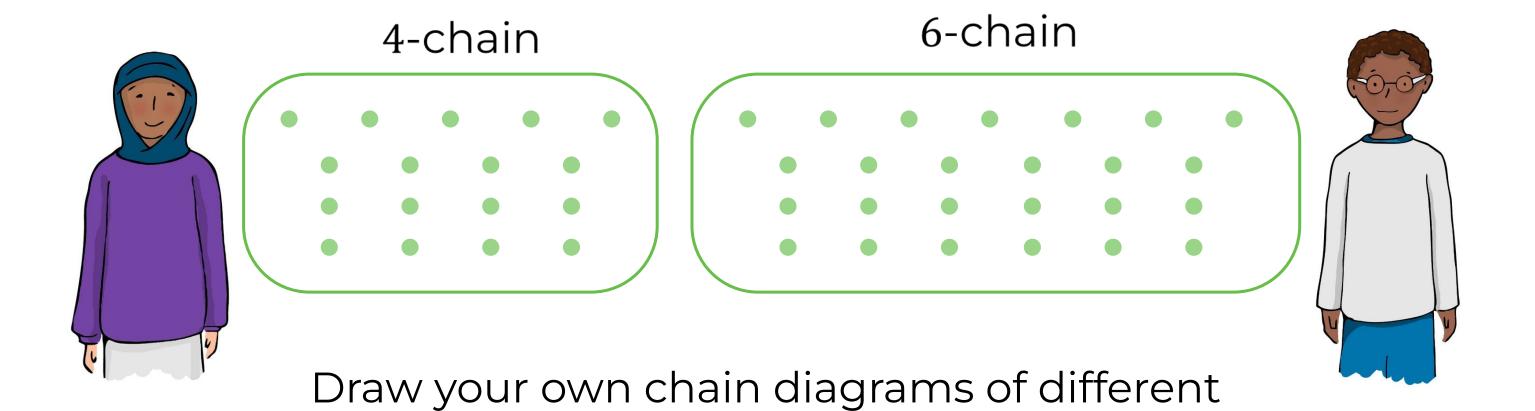
Ms Jones



Try this

Two students have used this dot pattern to create chains. **How many** dots are in each of their chains? What's your counting strategy?





lengths. How many dots do they have?



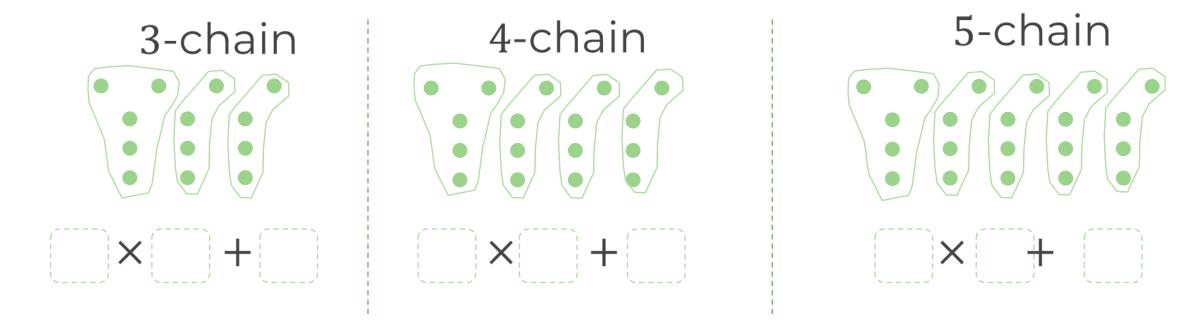
Independent task

- 1. Substitute m = 5 into the following:
- a) 3*m*

c) m^2

b) m + 2

- d) $m^3 + m^2 + 3$
- 2. Complete the tracking calculation for the number of dots:

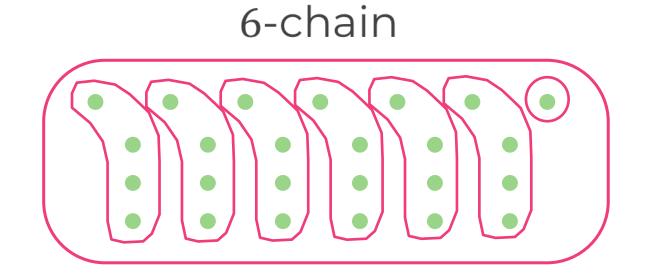


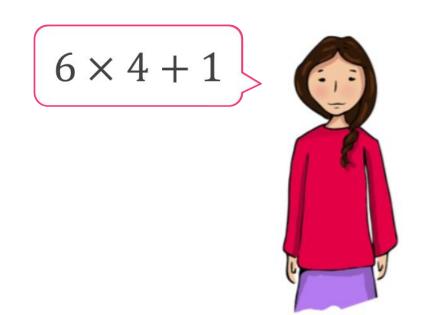
3. Using the grouping strategy from Q2 write a tracking calculation to express the number of dots in a 300-chain.



Explore

A student used a different strategy to count the dots in this 6-chain.





Use this grouping and write a calculation to express how many dots there would be in a:

A 3 – chain

B 15 – chain

C 200 –chain

D m -chain

