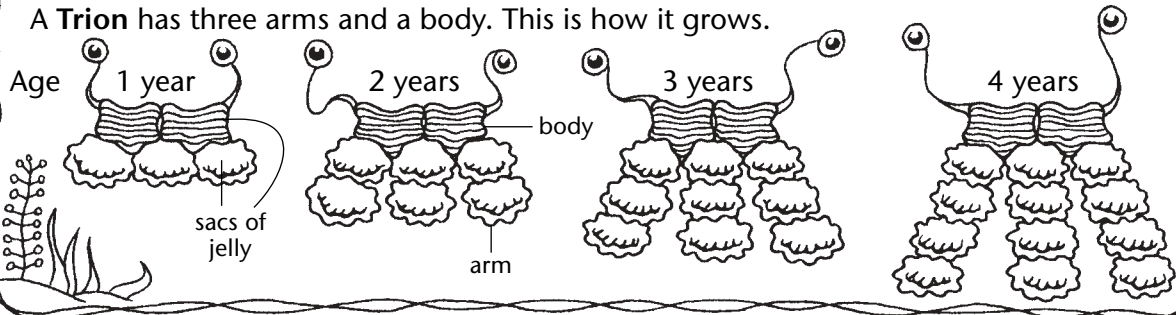


Planet H₂O

A

The planet H₂O is inhabited by underwater aliens made from sacs of jelly. A **Trion** has three arms and a body. This is how it grows.



1. Complete the table by counting the sacs of jelly and continuing the sequence.

Age of Trion (in years)	1	2	3	4	5	6
Number of sacs of jelly	5					

2. How many sacs of jelly make up the body of each Trion? _____

3. How many sacs of jelly are in each arm of a:

(a) 1-year-old Trion? 1 (b) 2-year-old Trion? _____ (c) 3-year-old Trion? _____

4. (a) Complete these statements.

A 1-year-old Trion has 2 sacs for its body and 1 sac in each of its 3 arms.

A 2-year-old Trion has _____ sacs for its body and _____ sacs in each of its 3 arms.

A 3-year-old Trion has _____ sacs for its body and _____ sacs in each of its 3 arms.

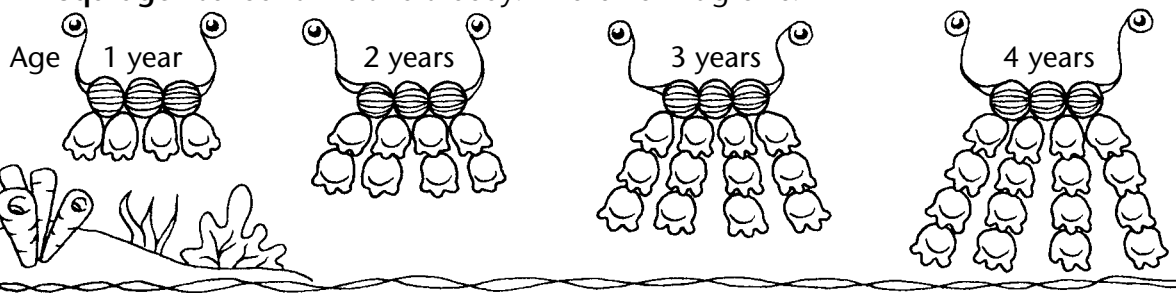
A 4-year-old Trion has _____ sacs for its body and _____ sacs in each of its 3 arms.

(b) Complete this statement for an n -year-old Trion.

An n -year-old Trion has _____ sacs for its body and _____ sacs in each of its 3 arms.

B

A **Squidge** has four arms and a body. This is how it grows.



1. Complete the table by counting the sacs of jelly and continuing the sequence.

Age of Squidge (in years)	1	2	3	4	5	6
Number of sacs of jelly						

2. Complete this statement for an n -year-old Squidge.

An n -year-old Squidge has _____ sacs for its body and _____ sacs in each of its 4 arms.



You can use the letter n to stand for any number to show a general rule. If, for example, you notice that a 2-year-old creature has 2 sacs per arm, a 3-year-old has 3 sacs per arm and so on, you can say that an n -year-old creature has n sacs per arm.