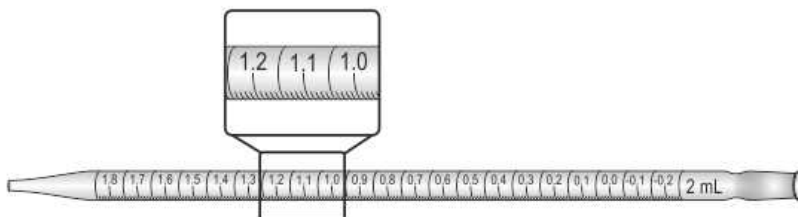


- 1 Shown here is a close-up of a part of a 2 mL pipette.

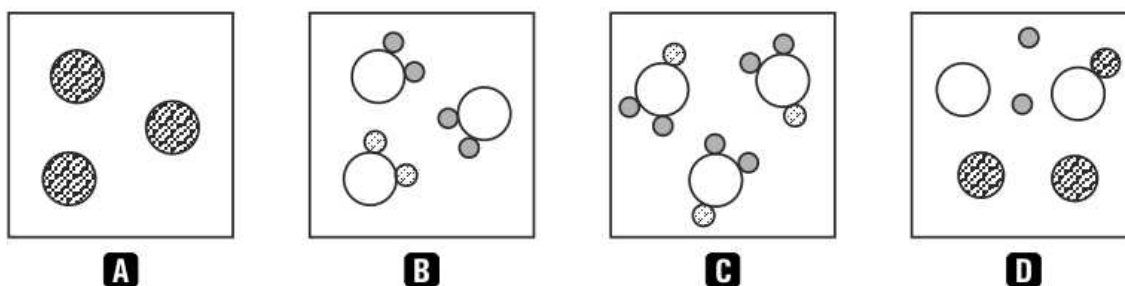


What is the **SMALLEST** volume that can be measured using this pipette?

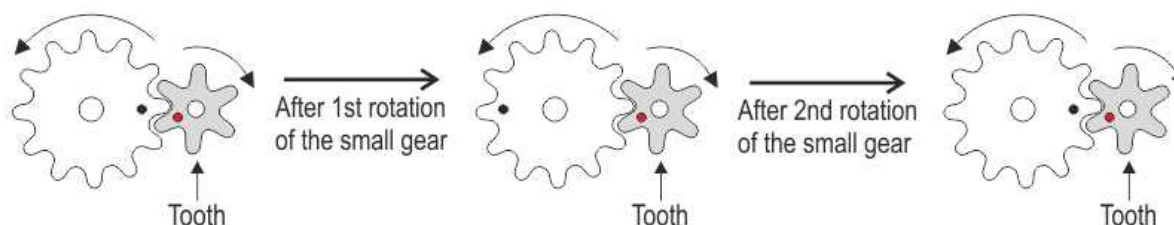
- A. 0.001 mL
  - B. 0.01 mL
  - C. 0.02 mL
  - D. 0.1 mL
- 2 Parthenocarp is the term used to describe the development of fruits without the fusing of the male and the female gamete. Examples of such fruits are some varieties of grape and watermelon. Such fruits have no seeds in them and develop from \_\_\_\_\_.

- A. plants without flowers
- B. flowers without ovaries
- C. ovaries without fertilization
- D. anthers without fertilization

- 3 Substances are classified as elements, compounds and mixtures. Shown below are four substances. Each circle represents an atom. Which of them is a single **COMPOUND**?

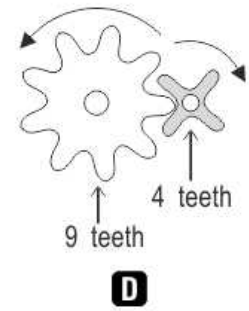
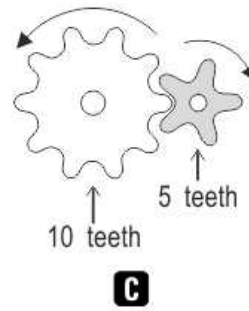
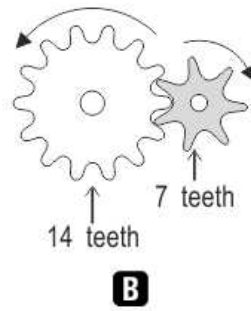
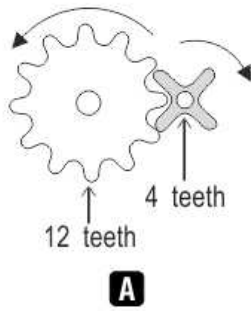


- 4 Gears are used to change speed in rotational movement.



When two meshing gears are such that the **SAME** pair of teeth in both gears meshes every time, it causes more

wear and tear damaging the gears. Which of the following pair of gears will minimise this problem and last longer?



1 B

2 C

3 C

4 D