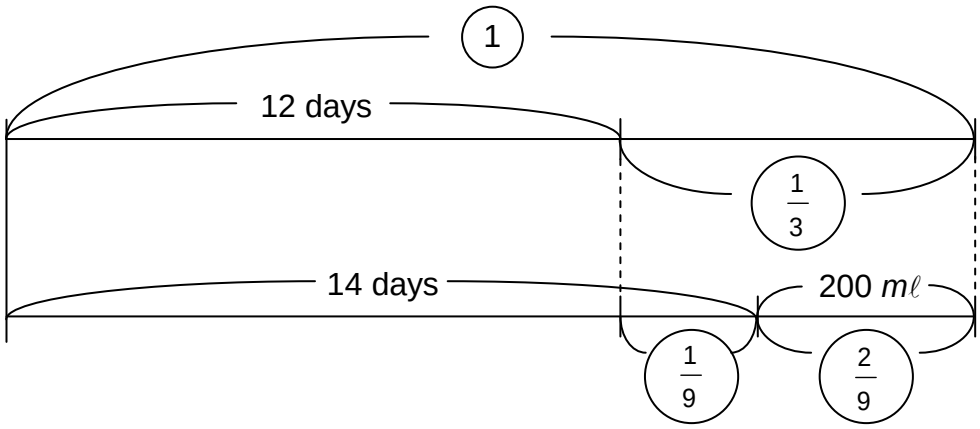
# A Maths Question, PSLE 2012

There was some water in a bottle. A girl drank the same amount of water every day. After the 12th day, $\frac{1}{3}$ of the water was left. After the 14th day, there is 200 $m\ell$ of water left. How much water was there in the bottle at the start?

<< Corresponding Maths >>

Let ① be the amount of water in the bottle at first.

*Diagram*




*Writing*

$1 - \frac{1}{3} = \frac{2}{3}$

$\frac{2}{3} \div 12 = \frac{1}{18}$ → Quantity of water she drank per day to the whole

14 days – 12 days = 2 days

$2 \times \frac{1}{18} = \frac{1}{9}$

$\frac{1}{3} - \frac{1}{9} = \frac{2}{9}$ → 200 $m\ell$

200 $m\ell \div \frac{2}{9}$ = 900 $m\ell$ → ①

Answer 900 $m\ell$