



AUSTRALIAN MATHS TRUST

AMC Practice Problem
Intermediate: Years 9–10
Practice Problem

I1: Values

What value can be placed in the shape to make this statement true?

$$2014 \div \text{[shape]} = 100$$

- a. 0.02014 b. 0.2014 c. 2.014 d. 20.14 e. 201.4

Solutions

For any a and b , $a \div b = 100$ only if $a = 100b$. So the number in the shape must be $2014 \div 100 = 20.14$,

hence (D).