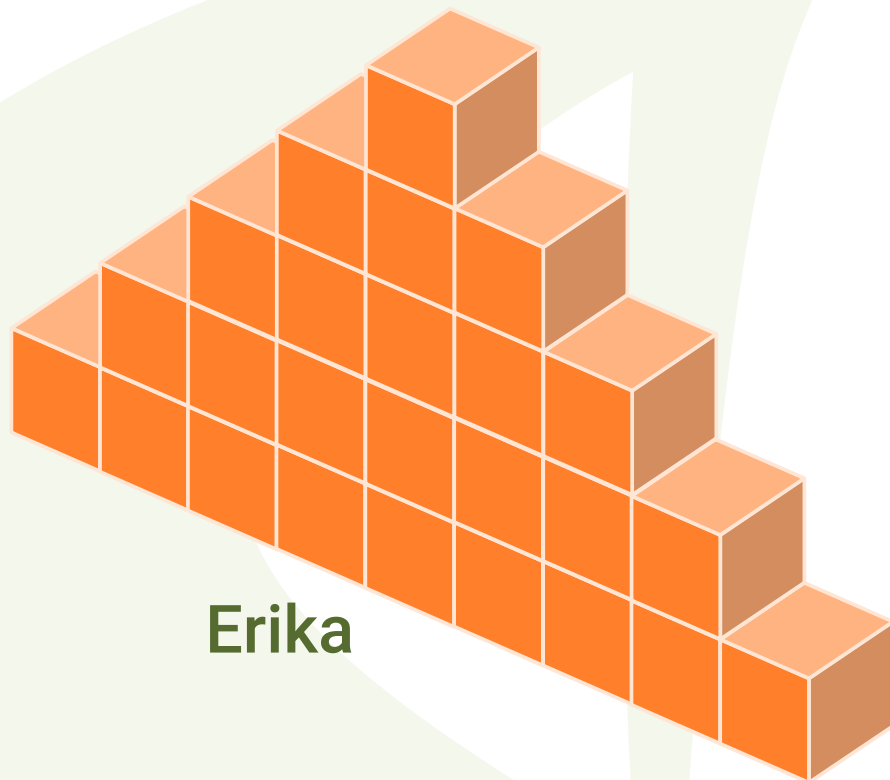




Builders



Erika



David

David wants to build a pyramid just like the one Erika built.

Find out how many more cubes he needs.



Crypto-arithmetic

Reconstruct the following two expressions if A and B represent digits and CD and DC represent two two-digit numbers.

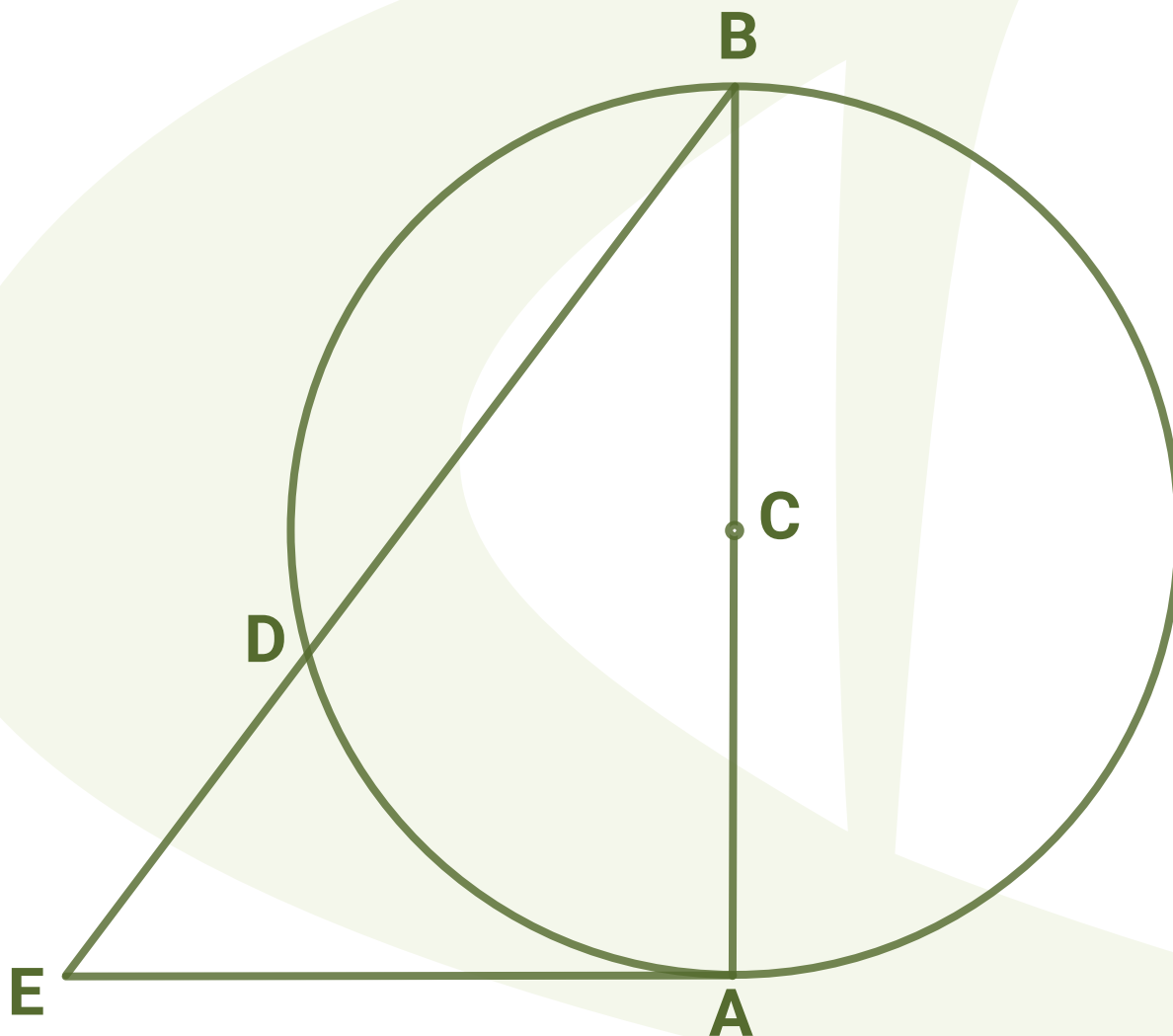
Equal letters represent the same digit; different letters represent different digits.

$$A + A + A = CD$$

$$B + B + B = DC$$



Quick Geometry



Circle with diameter $\overline{AB}$
and center C .

$$AB = 10$$

$$BD = 8$$

$$\overline{AE} \perp \overline{AB}$$

Determine the area of
triangle $\triangle ABE$.