A Maths Question, PSLE 2016
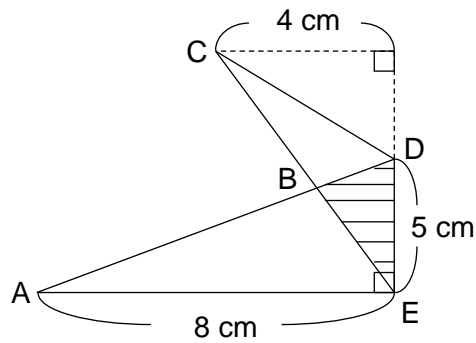
The figure ABCDE has a total area of 26 cm². Find the shaded area.

<< Area >>

<Writing>

$\frac{1}{2} \times 8 \times 5 = 20$ (cm²)   → △ADE

$\frac{1}{2} \times 20 = 10$ (cm²)   → △CDE

← △ADE and △CDE have a common base DE.

$4 \div 8 = \frac{1}{2}$

Since the height of △CDE is half of the height of △ADE,

△CDE has half area of △ADE.

Both △ADE and △CDE include △BDE as a part,

$20 + 10 - 26 = 4$ (cm²) → △BDE

Answer <u>4 cm²</u>