

**5** The power loss  $P$  in a resistor is calculated using the formula  $P = V^2/R$ .

The uncertainty in the potential difference  $V$  is 3% and the uncertainty in the resistance  $R$  is 2%.

What is the uncertainty in  $P$ ?

- A** 4%      **B** 7%      **C** 8%      **D** 11%