

- 9** The distance between star P and star Q is 400 times that between star Q and star R. The gravitational pull of star P on star Q is 170 times that of star Q on star R.

How many times is the mass of star P greater than that of star R?

**A**  $6.8 \times 10^4$

**B**  $7.4 \times 10^5$

**C**  $1.2 \times 10^7$

**D**  $2.7 \times 10^7$

