

$f(x; \mu, \sigma)$

0.4



The figure shows a normal distribution curve plotted on a grid. The vertical axis is labeled  $f(x; \mu, \sigma)$ . The curve is symmetric and bell-shaped. A vertical line is drawn at the peak of the curve. The area under the curve to the right of this line is shaded in light green. The value 0.4 is written inside the shaded area, indicating the probability of a value being greater than the mean.