

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

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 from the x-axis to the curve, and 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 region, indicating the cumulative probability for values greater than the corresponding x-value.