

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

0.4



The figure shows a normal distribution curve plotted on a grid. The horizontal axis represents the variable x , and the vertical axis represents the probability density function $f(x; \mu, \sigma)$. The curve is symmetric and bell-shaped. A vertical line is drawn at a point to the right of the mean, 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 point on the x-axis.