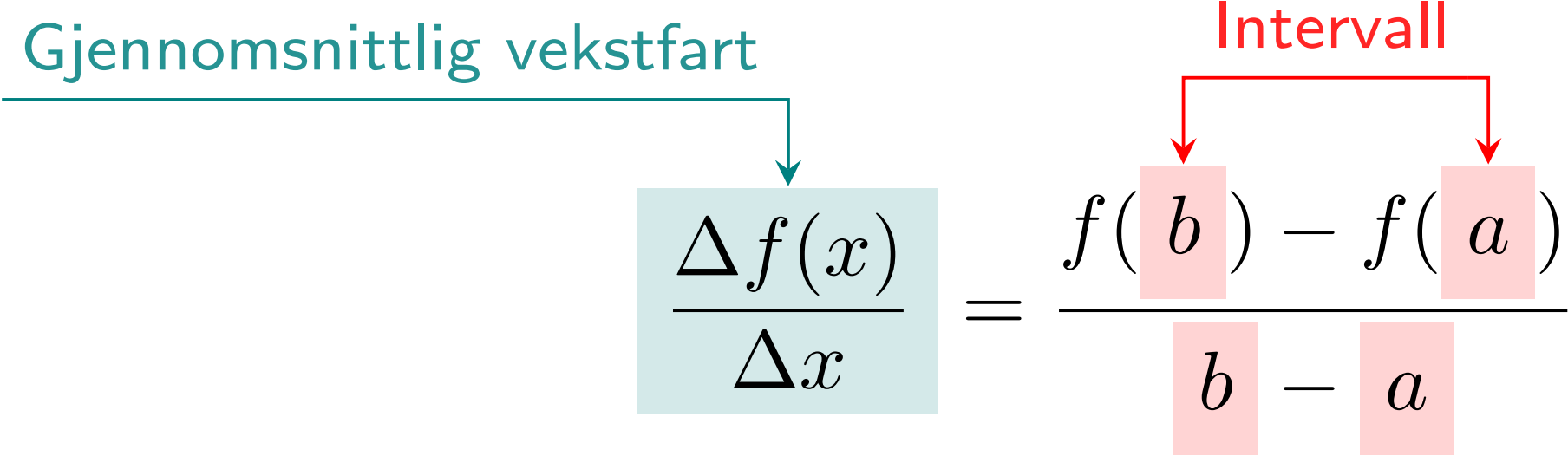


Gjennomsnittlig vekstfart



The diagram illustrates the concept of average rate of change. On the left, the text 'Gjennomsnittlig vekstfart' (Average rate of change) is written in teal. A teal arrow points from this text to a light blue rectangular box containing the formula  $\frac{\Delta f(x)}{\Delta x}$ . To the right of this box is an equals sign followed by a fraction. The numerator of this fraction is  $f(b) - f(a)$ , where  $b$  and  $a$  are enclosed in light red boxes. A red bracket labeled 'Intervall' (Interval) in red text spans from the top of the  $b$  box to the top of the  $a$  box, with red arrows pointing down to each box. The denominator of the fraction is  $b - a$ , where  $b$  and  $a$  are also enclosed in light red boxes.

$$\frac{\Delta f(x)}{\Delta x}$$

=

Intervall

$$\frac{f(b) - f(a)}{b - a}$$