7. Solve the inequalitie $-8 \leqslant 8x - 9 \leqslant 8$
express your solution sets using interval notation.

$(\frac{1}{8}, \frac{17}{8})$

$(-\infty, \frac{1}{8}) \cup (\frac{17}{8}, +\infty)$

$[\frac{1}{8}, \frac{17}{8}]$

$(-\infty, \frac{1}{8}] \cup [\frac{17}{8}, +\infty)$

**Solution**

## Intervals

Solve:

$|8x - 9| + 1 \leq 9$

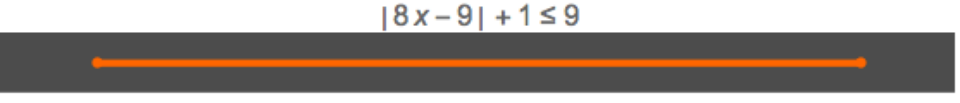
$|8x - 9| \leq 8$

$-8 \leqslant 8x - 9 \leqslant 8$

$-8 - (-9) \leqslant 8x \leqslant 8 - (-9)$

$1 \leqslant 8x \leqslant 17$

Divide each side by 8




$\frac{1}{8} \leq x \leq \frac{17}{8}$