5.OA Why Do We Need an Order of Operations?

Task

a. State the meaning of each of the following expressions and draw a picture that represents it.

\[(3 \times 5) + 4\]
\[3 \times (5 + 4)\]

b. State the meaning of this expression:

\[3 \times 5 + 4\]

How do you know?

c. State the meaning of each of the following expressions and draw a picture that represents it.

\[(3 + 5) \times 4\]
\[3 + (5 \times 4)\]

d. State the meaning of this expression:

\[3 + 5 \times 4\]

How do you know?