

$$144 \div \{35 - (3 \times 8 - 5)\} + 3 \times 13$$

$$\begin{aligned} &144 \div \{35 - (3 \times 8 - 5)\} + 3 \times 13 \\ &= 144 \div \{35 - (24 - 5)\} + 39 \\ &= 144 \div (35 - 19) + 39 \\ &= 144 \div 16 + 39 \\ &= 9 + 39 \\ &= 48 \end{aligned}$$