

$$3 \times (2x + 4)$$

$$3 \times (2x + 4) = (2x + 4) + (2x + 4) + (2x + 4)$$

$$3 \times (2x + 4) = 2x + 2x + 2x + 4 + 4 + 4$$

$$3 \times (2x + 4) = 3 \times 2x + 3 \times 4$$

$$\text{3} \curvearrowleft \text{3}$$
$$3 \times (2x + 4) = 3 \times 2x + 3 \times 4$$