Problem. find value of $n .8(3+5)=(8 \times 3)+(8 x n)$.
Solution (Case 1). If symbol " $x$ " denotes product and " $8(3+5)$ " means $8 \times(3+5)$, then equation can be written, as

$$
8 \times(3+5)=(8 \times 3)+(8 \times n)
$$

Then

$$
8 \times 8=24+8 \times n
$$

or

$$
64=24+8 \times n
$$

or

$$
40=8 \times n
$$

or

$$
n=40 \div 8=5
$$

Answer (Case 1): $n=5$.
Solution (Case 2). If symbol " $x$ " in the problem denotes variable and " $8(3+5)$ " means $8 \times(3+5)$, then equation can be written, as

$$
8 \cdot(3+5)=(8 x 3)+(8 x n)
$$

Then

$$
8 \cdot 8=24 x+8 x n
$$

or

$$
64-24 x=8 x n
$$

or

$$
n=\frac{64-24 x}{8 x}
$$

Answer (Case 2): $n=\frac{64-24 x}{8 x}$.

