Similar problem,
$$\int \cos^2(5 \times) dx,$$

$$ACI$$
From the integration table,
$$\int \cos^2(mx) dx = \frac{1}{2m} (mx + \sin(mx)\cos(mx)) + C$$

$$ACI, For m = 5,$$

$$= \frac{1}{10} (5x + \sin(5x)\cos(5x)) + C$$

$$= \left[\frac{1}{10} (5x + \sin(5x)\cos(5x))\right]_{0}^{2}$$

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