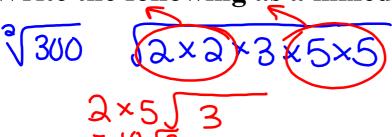
Warm Up Questions

1. Write the following as a mixed radical $\sqrt{300}$



2. Write the following as an entire radical

$$-3\sqrt{10}$$
 $-\sqrt{0 \times 3 \times 3}$
 $-\sqrt{90}$

A cube has a volume of 875 cm³.

Write the edge length of the cube as a radical in simplest form.

3/875

$$=\sqrt[3]{5 \times 5 \times 5} \times 7$$

A cube has a Surface Area of 648 cm². Write the edge length of the cube as a radical in simplest form.

$$648 / 6 = 108 \text{ cm}^{2}$$

$$\sqrt{108} = \sqrt{2 \times 2 \times 3 \times 3 \times 3}$$

$$= \sqrt{2 \times 2 \times 3 \times 3 \times 3}$$

$$= 2 \times 3 \sqrt{3}$$

$$= 6\sqrt{3}$$