

A child enters a hospital after ingesting 12 aspirin tablets. The Merck manual states kidney (renal) failure may occur if 3 grams aspirin is ingested. The tablets are 325mg each. How many aspirin were eaten in grams?

Solution:

To find how many aspirin (**X**) were eaten in grams by child we need

$$X = 12 * 325 = 3900 \text{ mg}$$

In 1 g is 1000 mg, so

In **Y** g is 3900 mg

$$\text{That's why } Y = 3900 * 1 / 1000 = \mathbf{3.9 \text{ g}}$$

Answer: 3.9 g were eaten by child.