



Math in My World

Example 1

Asma and Amani went scuba diving for $7\frac{1}{3}$ hours.
The next day, they went scuba diving for $4\frac{2}{3}$ hours.
About how many hours did they spend scuba diving altogether?

Estimate $7\frac{1}{3} + 4\frac{2}{3}$.

Round each mixed number to the nearest whole number.

Scuba-DUBA-Doo



$\frac{1}{3}$ is less than $\frac{1}{2}$.

So, $7\frac{1}{3}$ rounds down to 7.

$\frac{2}{3}$ is greater than $\frac{1}{2}$.

So, $4\frac{2}{3}$ rounds up to 5.

$$7\frac{1}{3} + 4\frac{2}{3} \approx \underline{\quad} + \underline{\quad}$$

$$\approx \underline{\quad}$$

$$\text{So, } 7\frac{1}{3} + 4\frac{2}{3} \approx \underline{\quad}.$$

Asma and Amani spent about $\underline{\quad}$ hours scuba diving altogether.

Helpful Hint

The \approx means *about* or *approximately equal to*.