

## 5.6 Key Concepts 1 Ratios Worked Example

**Example:** A course leading to a private pilot licence consists of 20 h of ground school, 25 h of dual instruction, and 30 h of solo flying. What is the ratio of time spent in ground school to time spent on the course?

**Solution:** The time spent on the course is  $20 + 25 + 30 = 75$  h. The ratio of ground school to the entire course is 20:75.

**Practice:**

1. A recipe for breakfast cereal calls for 2 scoops of oatmeal, 1 scoop of dried tropical fruits and 1.5 scoops of mixed nuts. What is the ratio of mixed nuts in the cereal produced?

2. An experimental rocket fuel consists of 2000 L of alcohol, 500 L of benzene, and 750 L of toluene. What is the ratio of benzene in the fuel?

Answers: 1. 1.5:4.5. 2. 500:3250.