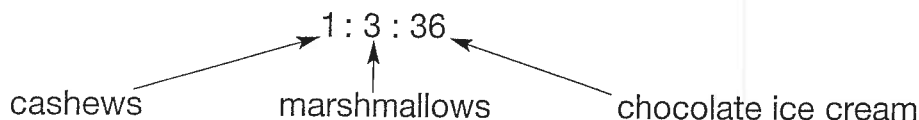# Scaffolding for Lesson 2.4, Question 14

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14. In Heavenly Hash ice cream, the ratio of the amount of cashews to the amount of marshmallows to the amount of chocolate ice cream is 1 : 3 : 36.

$$1:3:36$$

cashews   marshmallows   chocolate ice cream

a) What is the ratio of the amount of marshmallows to ice cream?

_____ : _____ = 1 : _____

b) What percent is of the Heavenly Hash ice cream is chocolate ice cream?

Hint: How many parts in the ratio altogether? _____

How many of the parts are chocolate ice cream? _____

Express the parts of ice cream to the total number of parts as a fraction: _____

Express the fraction as a percent: $\dfrac{\_\_\_\_\_}{100}$ = _____ %

c) How much of each ingredient is needed to make a 20 L tub of Heavenly Hash ice cream?
Hint: Find the scale factor.

20 L ÷ 40 parts = _____ (scale factor)

If you want to make 20 L of Heavenly Hash ice cream, you need

36 parts × _____ (scale factor) = _____ L of chocolate ice cream

1 parts × _____ (scale factor) = _____ L of cashews

3 parts × _____ (scale factor) = _____ L of marshmallows