# 2.3 Percent problems

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# 2.3 Percentages

Learning Target: I can solve problems with percentages Monday 3 October

Do Now: Complete Jumprope survey in Google Classroom

Lesson

- Three methods for ratio problems (review)
- 2.3 Percentages Khan Academy video
- Homework: View remaining Khan videos on percentages, practice problems

# Ratio and proportion example

A fish farmer stocks her fish tanks with a ratio of 5 talapia to 3 trout. If she puts 300 talapia into the tanks, how many trout should she add?

- Model the problem 3 ways: a table, a proportion, and a ratio calculation with units

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- $$\frac{5 \text{ talapia}}{3 \text{ trout}} = \frac{300 \text{ talapia}}{x \text{ trout}}$$
- $$300 \text{ talapia} \times \frac{3 \text{ trout}}{5 \text{ talapia}} =$$

# Ratio and proportion example 2

Jack was planting a tree. He was to dig a hole that was 3 feet deep for every 5 feet of tree height. How deep should he dig the hole for a tree that is 17 feet high?

Model the problem 3 ways: a table, a proportion, and a ratio calculation with units

# Ratio and proportion example 3

A meteorologist reports that the ratio of snowfall in January to total snowfall during the average winter is 2 to 5. If 34 inches have fallen in January of the current year, find the predicted total snowfall for the entire winter.

Model the problem in the most efficient way of your choice.