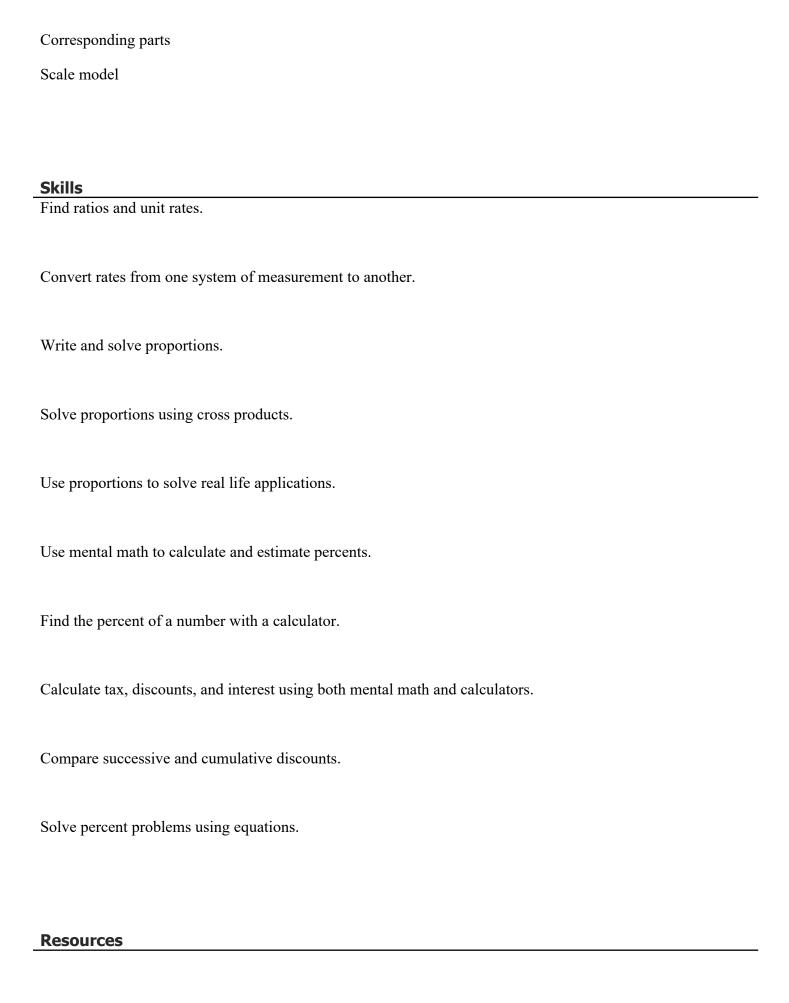
# **Unit 3 Ratios, Proportions & Percents**

**Special Education** 

Content Area:

Course(s): Fime Period: Length: Status:	November 6 weeks Published
Enduring	Understandings
Proportions	s can be used to solve problems involving scale drawings.
Proportiona	al relationships can be determined using a variety of strategies.
Context is	critical when using estimation.
	Questions
How can pr	roportions be used to solve scale drawings?
When is ap	proximation a reasonable answer?
When shou	ld you use mental computation?
Content	
Vocabular	$\underline{\mathbf{y}}$
Ratio	
Unit Rate	
Proportion	
Percent	
Cross produ	uct
Similar figu	ures



## CCSS: Mathematics CCSS: Grade 6

### **Ratios & Proportional Relationships**

6.RP.A. Understand ratio concepts and use ratio reasoning to so	olve problems.
6 RP A 3c Find a nercent of a quantity as a rate per 100 (e.g.	30% of a quantity means 30/100 times

6.RP.A.3c. Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity); solve problems involving finding the whole, given a part and the percent.

6.RP.A.3d. Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities.

#### CCSS: Grade 7

#### **Ratios & Proportional Relationships**

7.RP.A. Analyze proportional relationships and use them to solve real-world and mathematical problems.

7.RP.A.1. Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units.

**Show details** 

7.RP.A.2. Recognize and represent proportional relationships between quantities.

7.RP.A.2c. Represent proportional relationships by equations.

**Show details** 

7.RP.A.3. Use proportional relationships to solve multistep ratio and percent problems.

**Show details** 

MA.6.RP Ratios and Proportional Relationships

MA.6.RP.A Understand ratio concepts and use ratio reasoning to solve problems.

MA.6.RP.A.1 Understand the concept of a ratio and use ratio language to describe a ratio relationship

between two quantities.

MA.6.RP.A.3 Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by

reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams,

×

×

×

×

or equations.